

FIG. 1 (PRIOR ART)

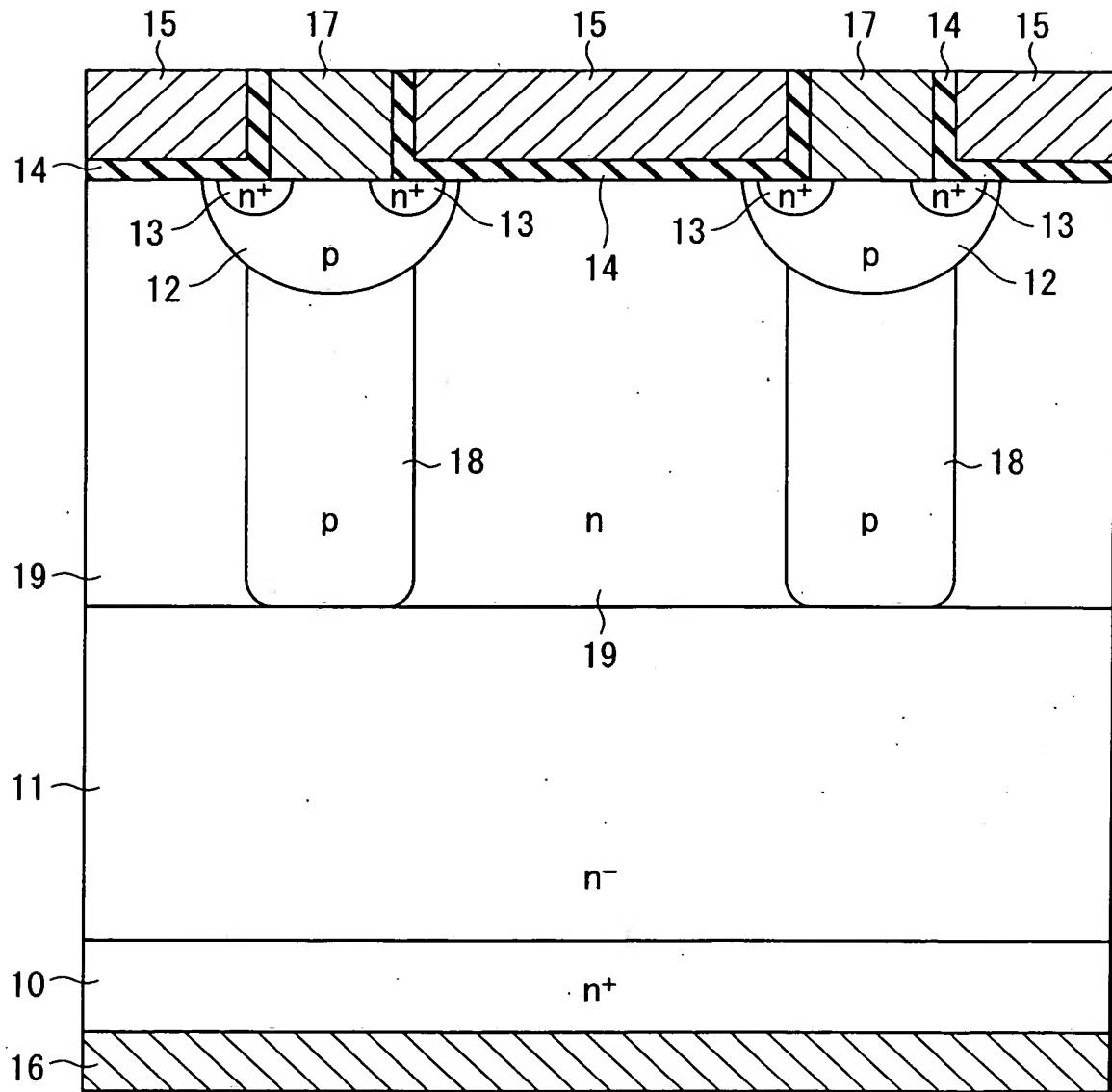


FIG. 2

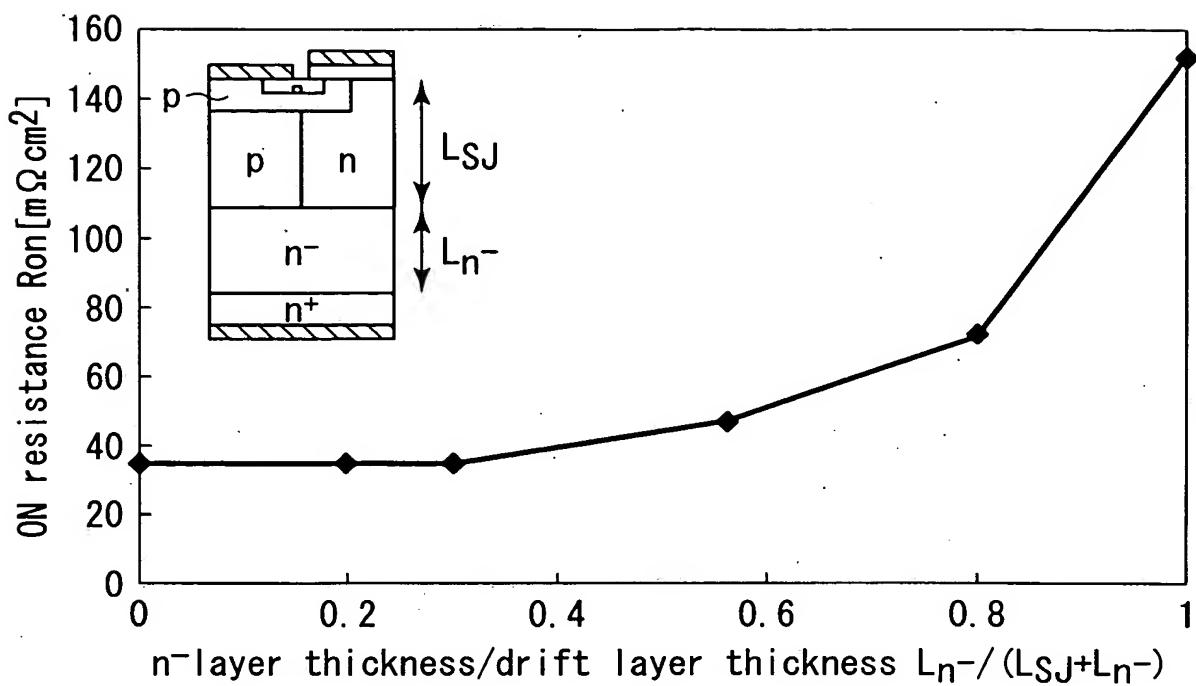


FIG. 3A

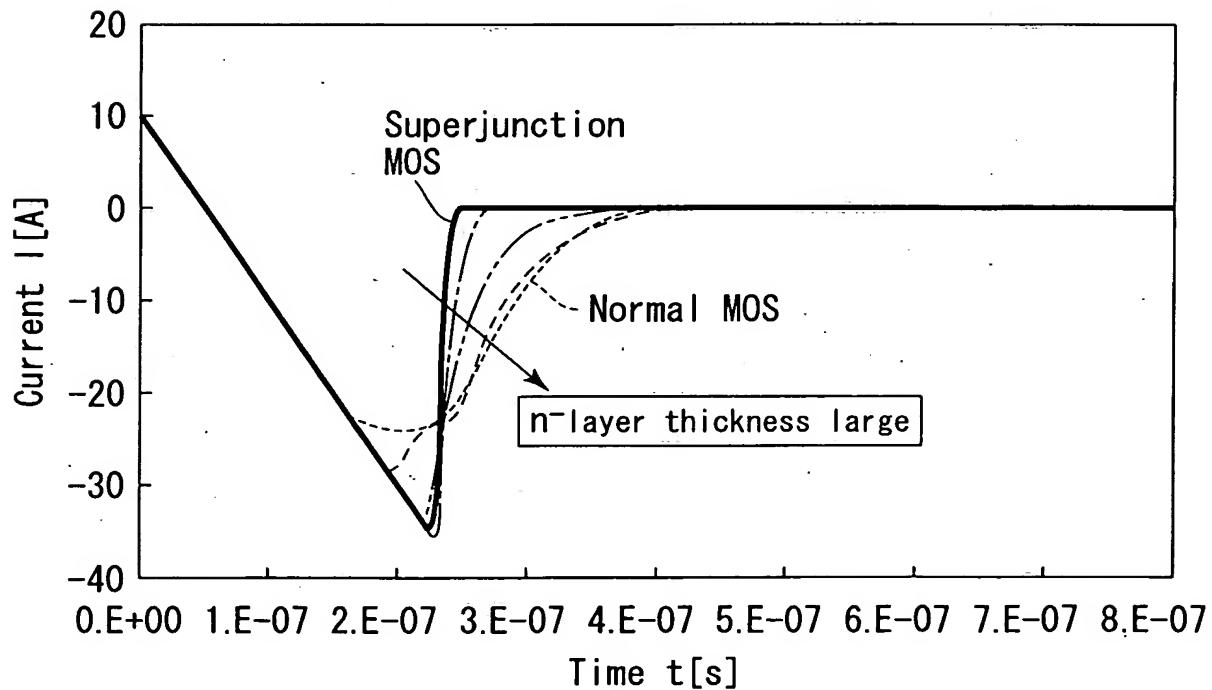


FIG. 3B

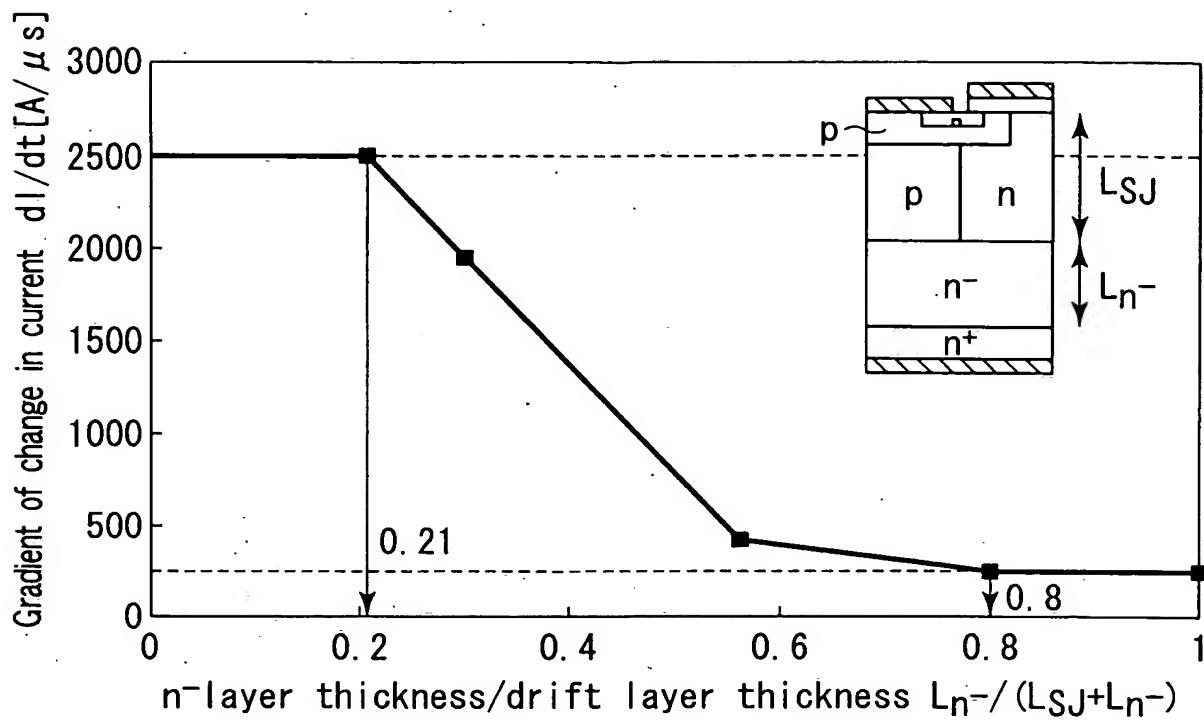


FIG. 3C

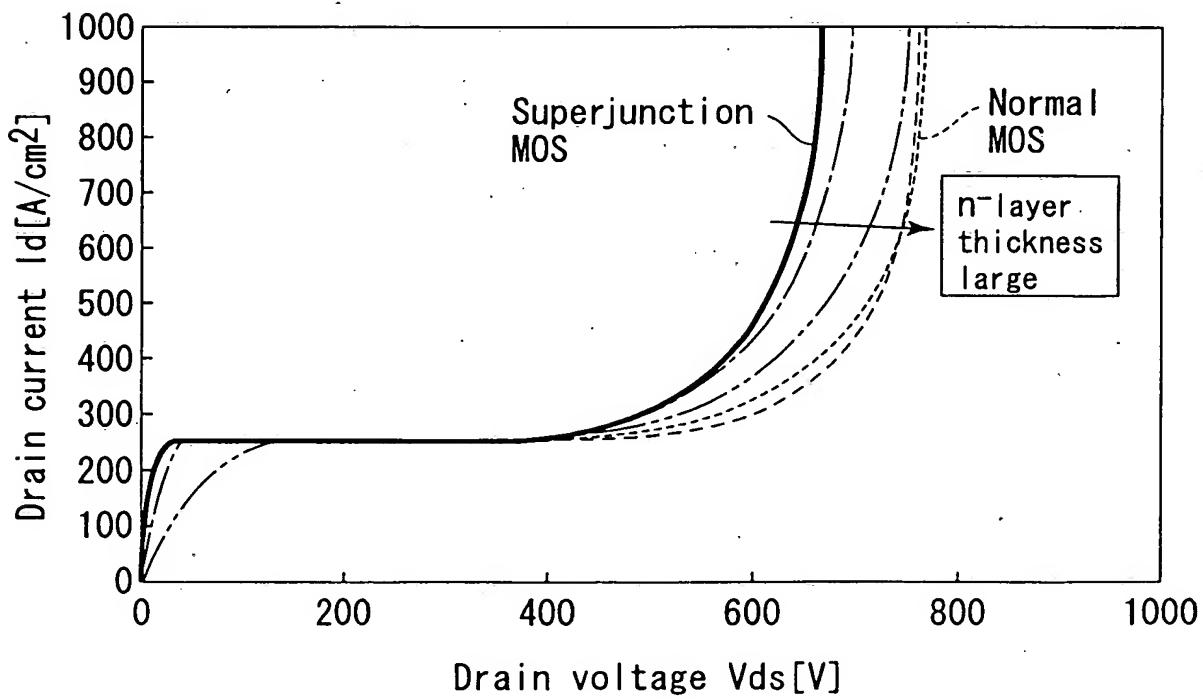


FIG. 3D

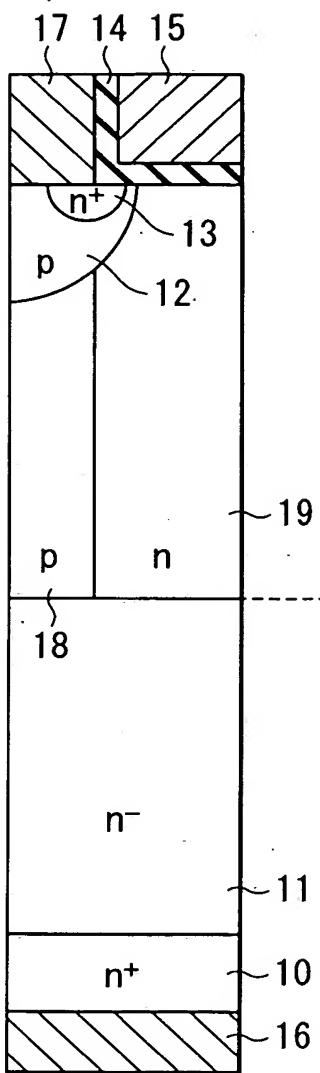
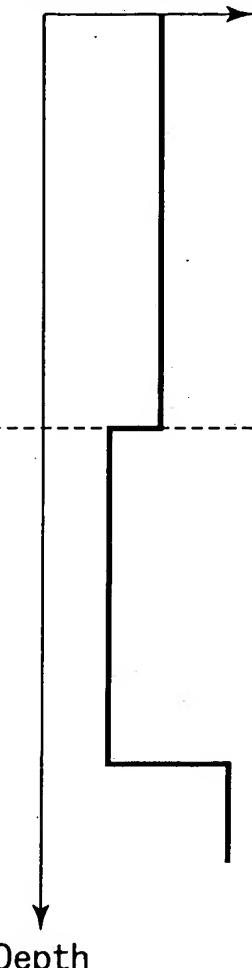


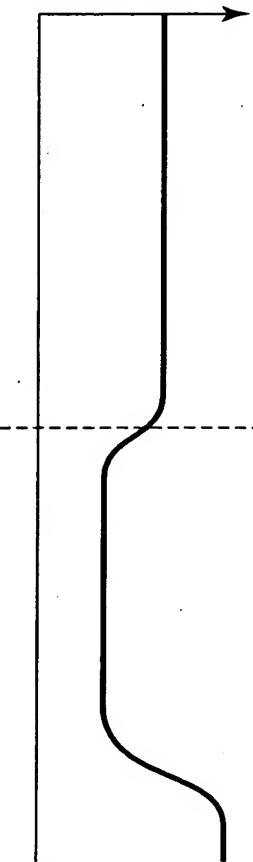
FIG. 4A

Impurity concentration



Impurity concentration

Impurity concentration



Electric field

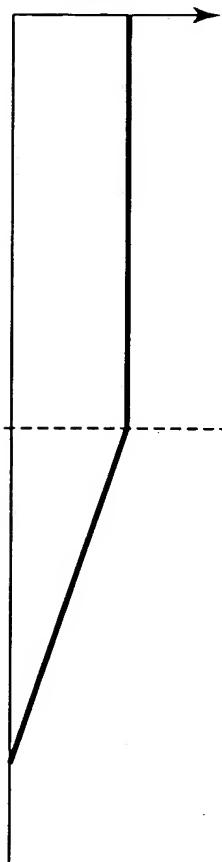


FIG. 4B

FIG. 4C

FIG. 4D

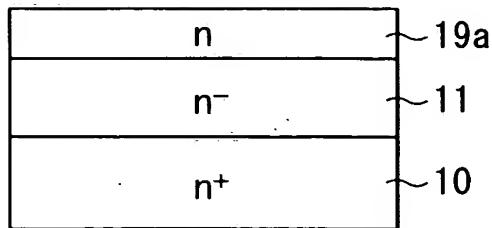


FIG. 5A

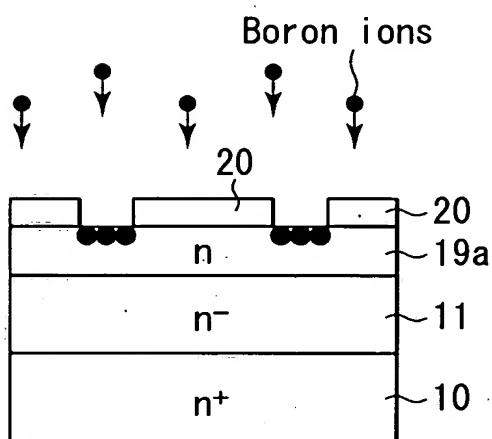


FIG. 5B

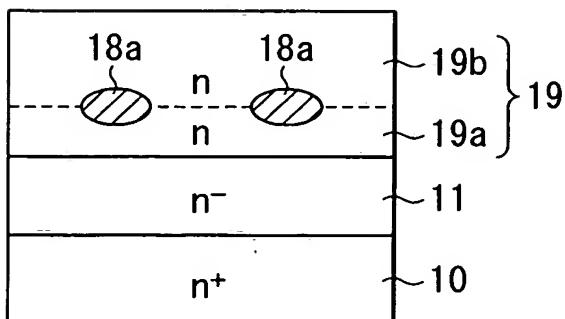


FIG. 5C

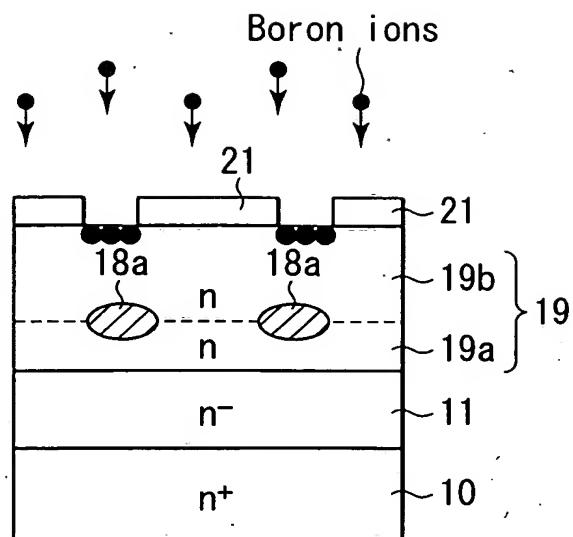


FIG. 5D

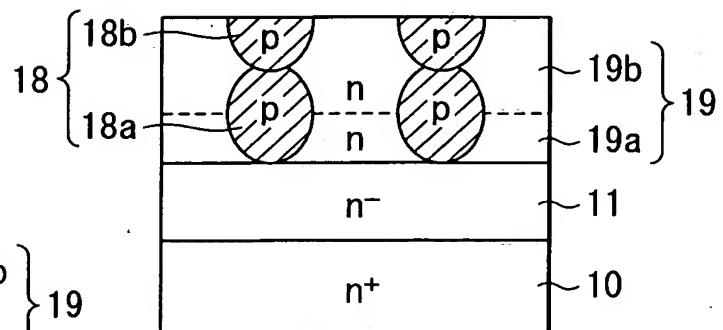


FIG. 5E

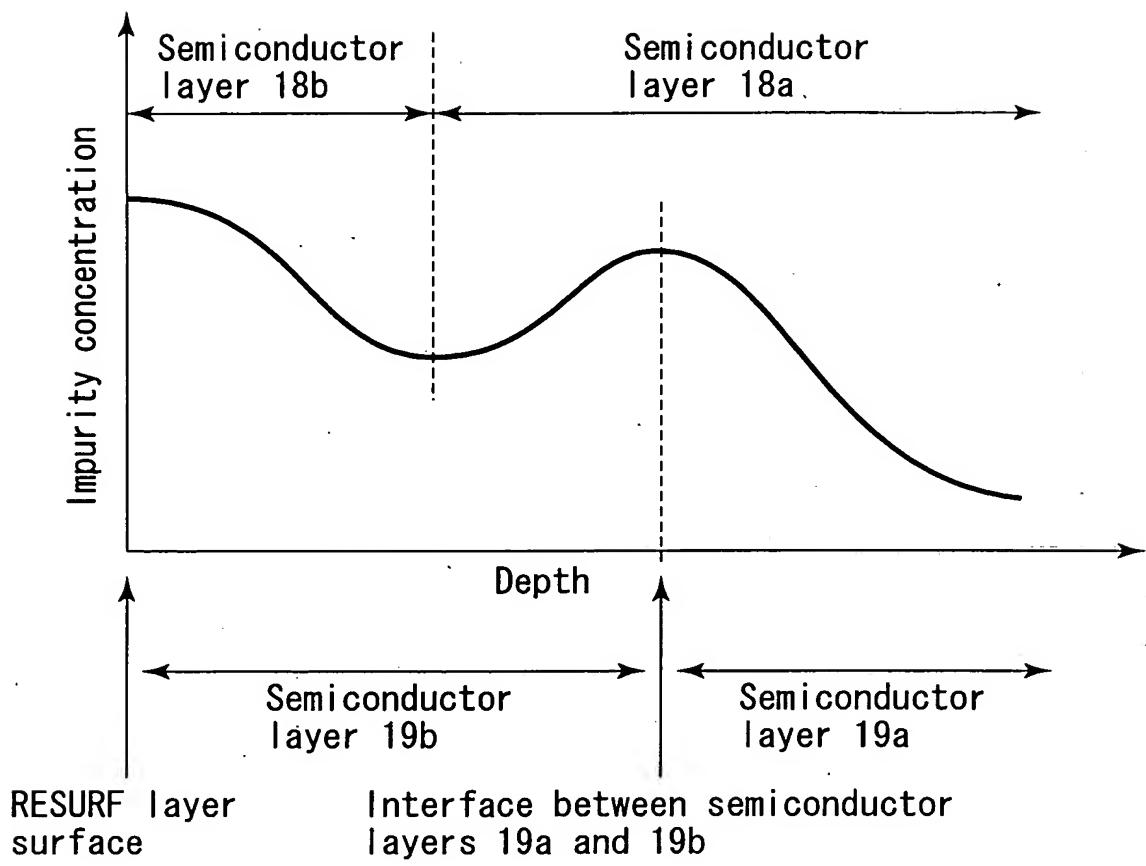


FIG. 5F

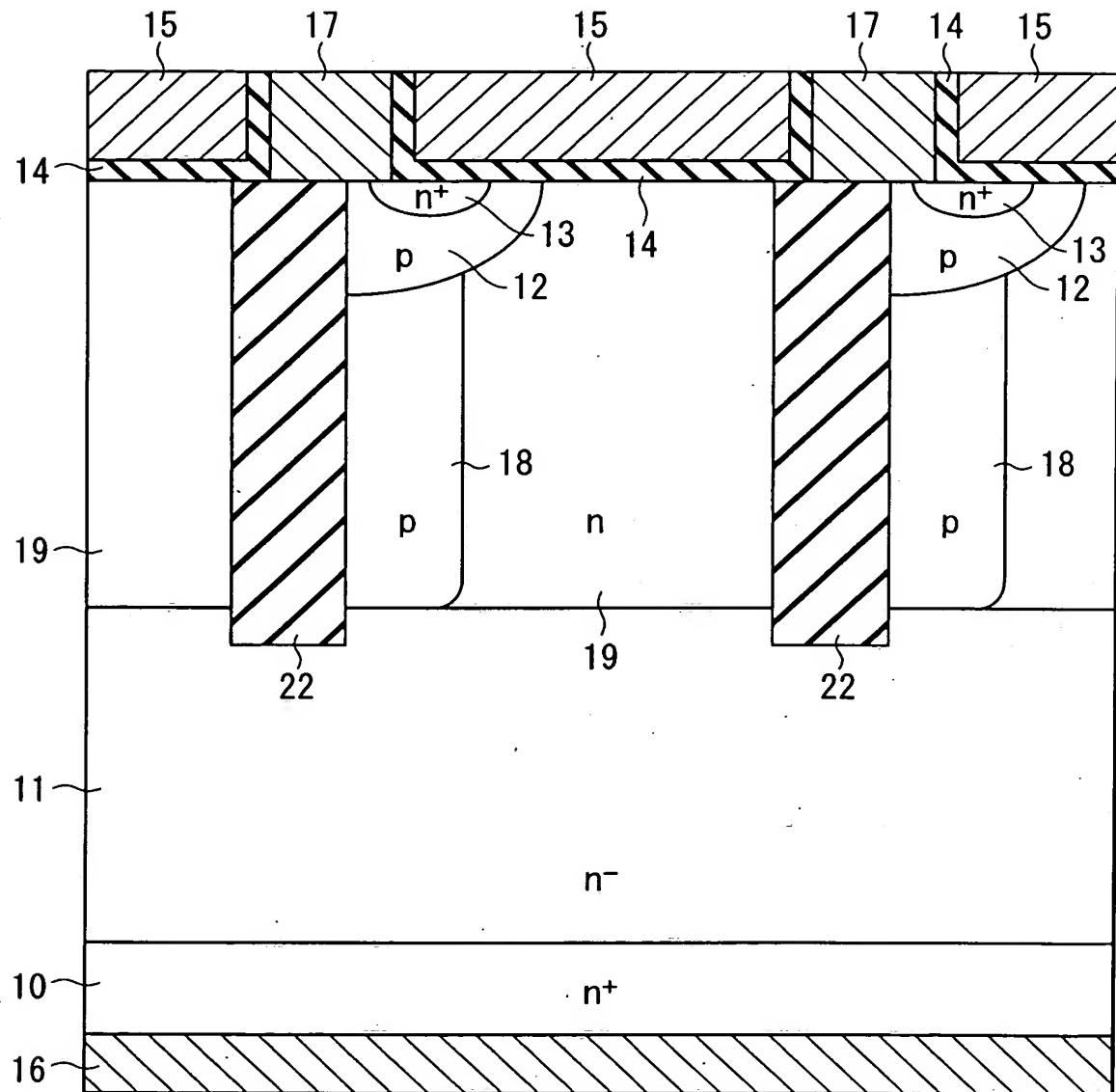


FIG. 6

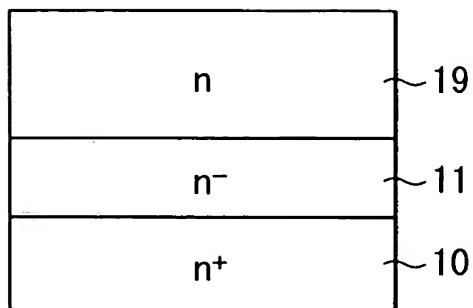


FIG. 7A

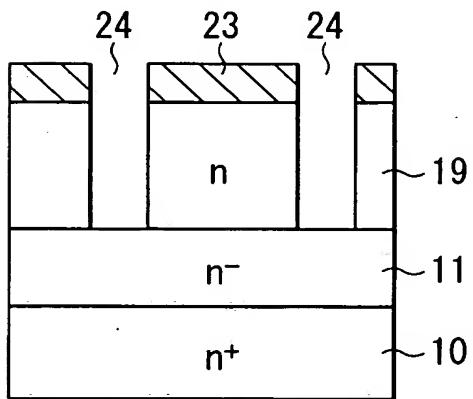


FIG. 7B

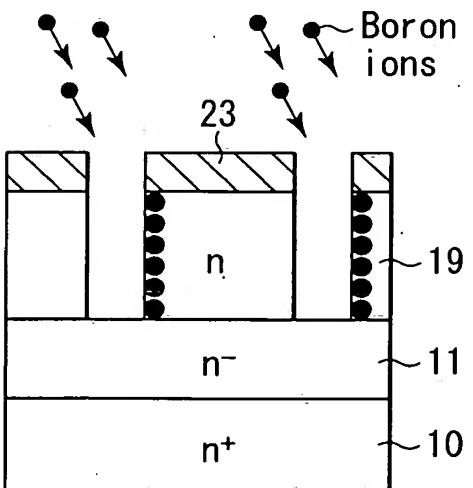


FIG. 7C

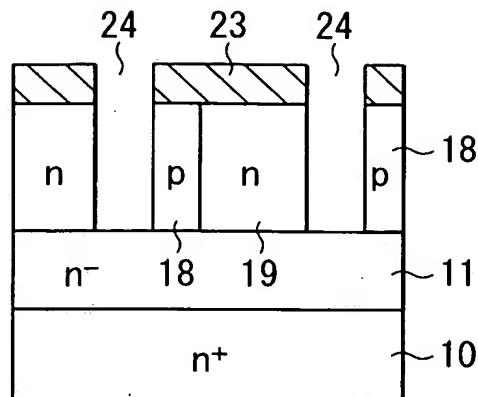


FIG. 7D

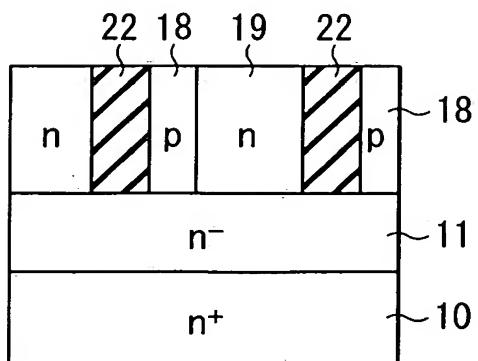


FIG. 7E

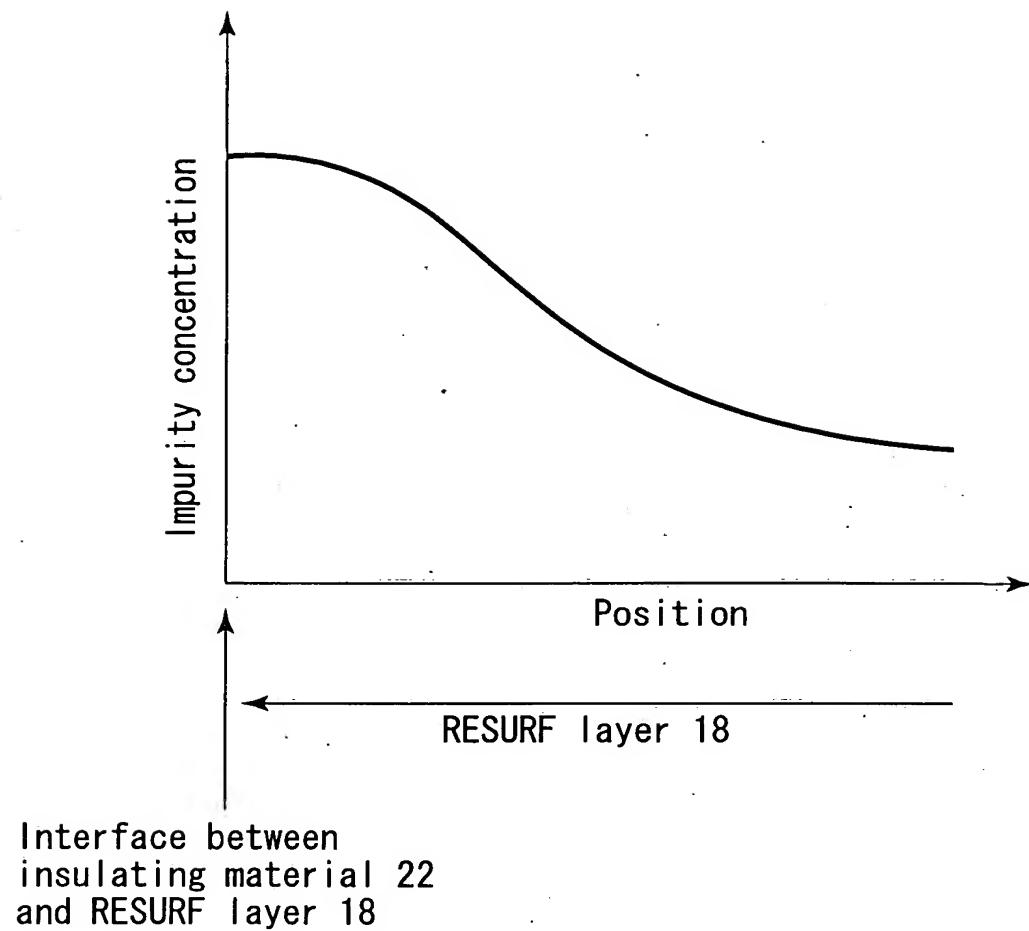


FIG. 7F

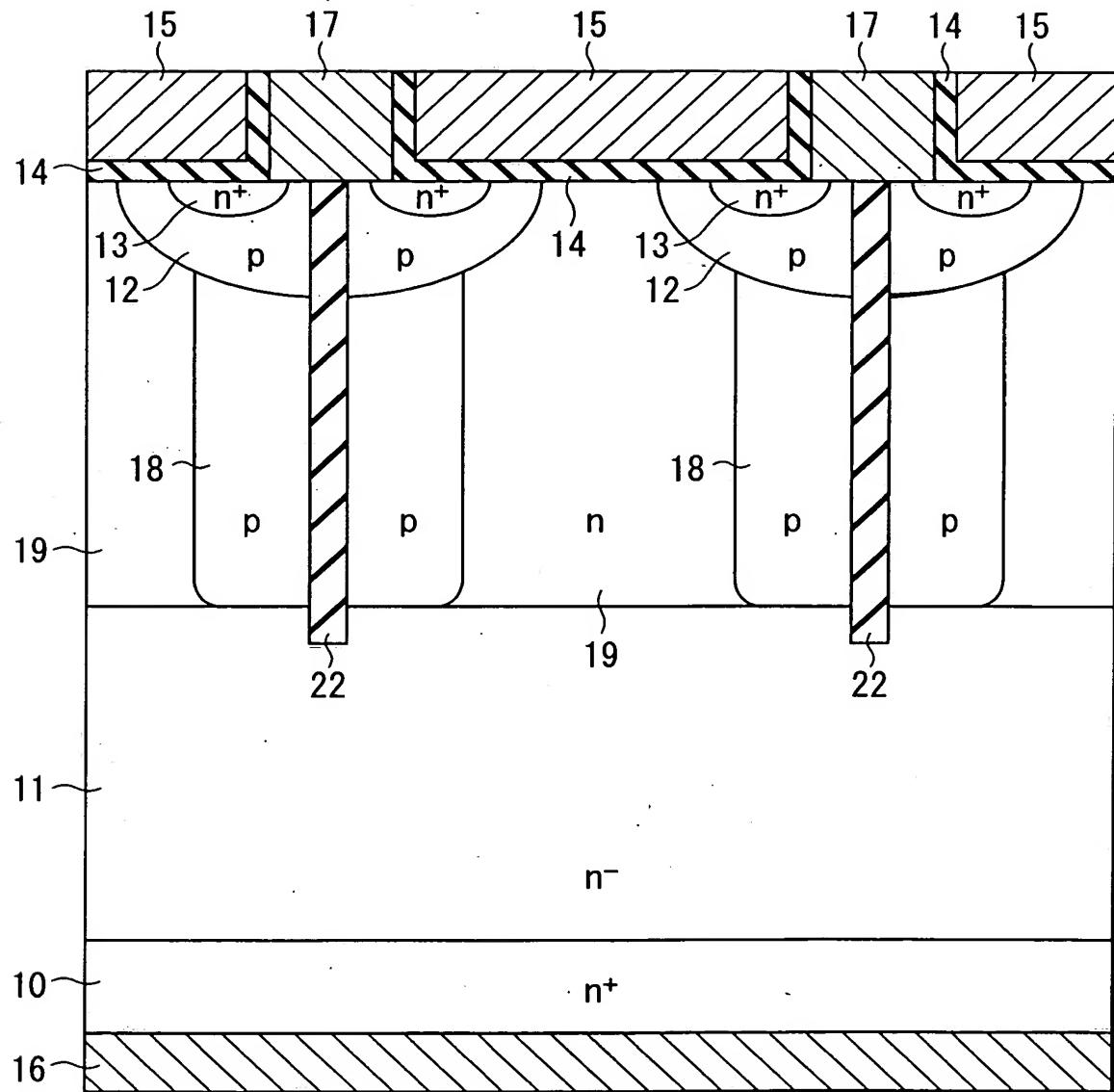


FIG. 8

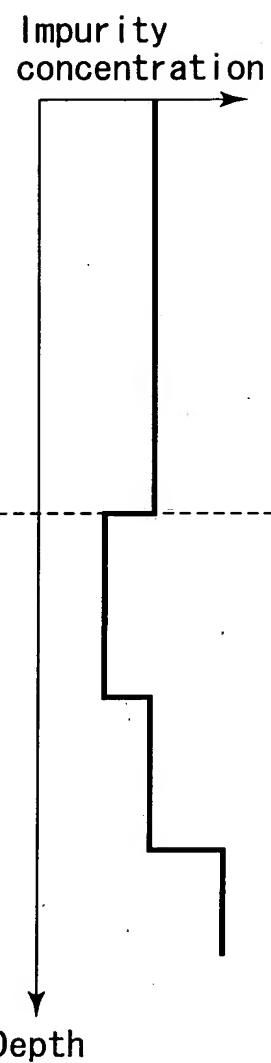
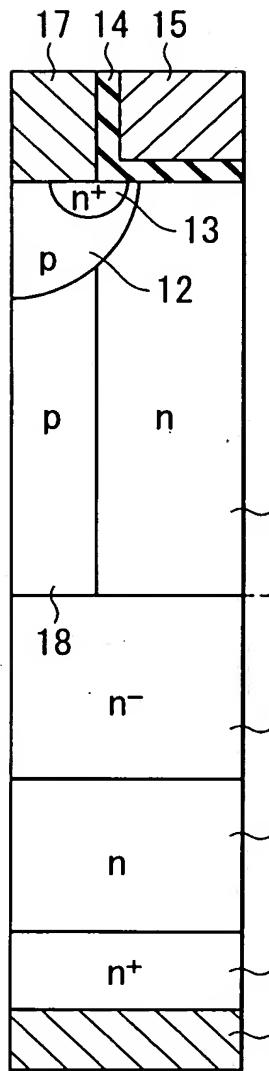


FIG. 9A

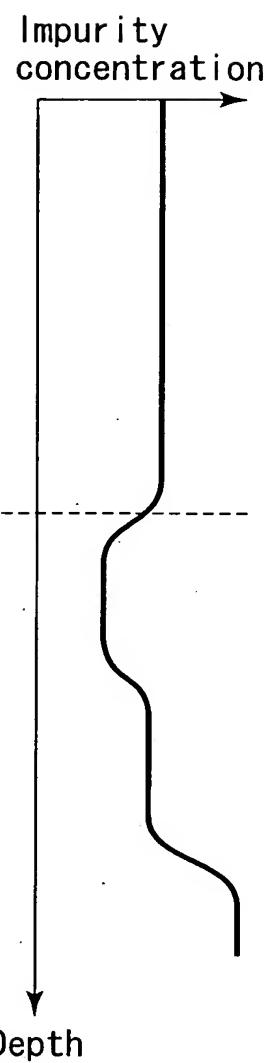


FIG. 9B

FIG. 9C

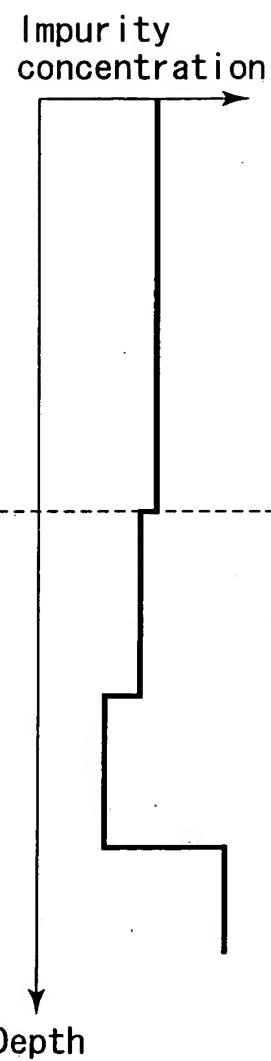
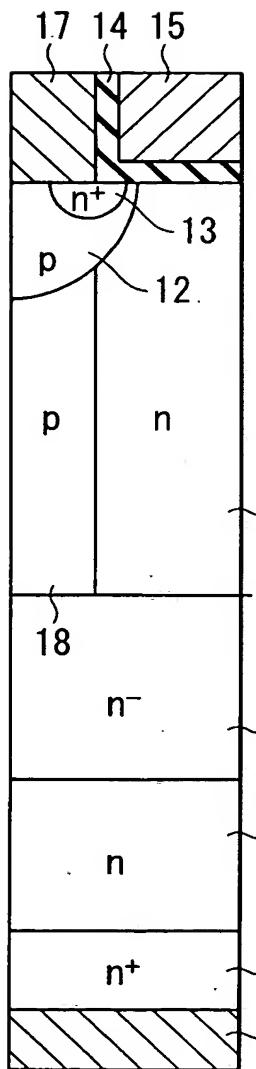


FIG. 10A

FIG. 10B

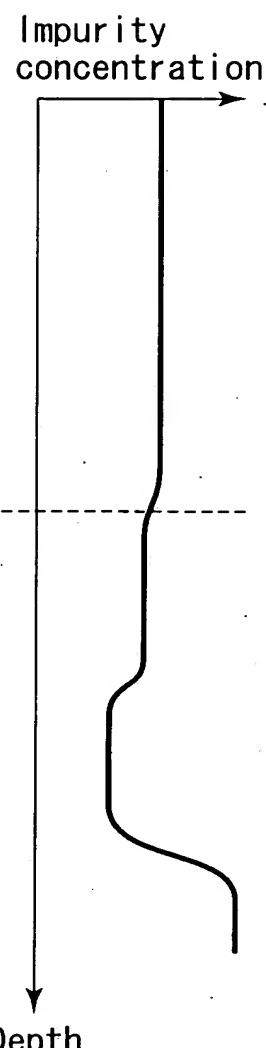


FIG. 10C

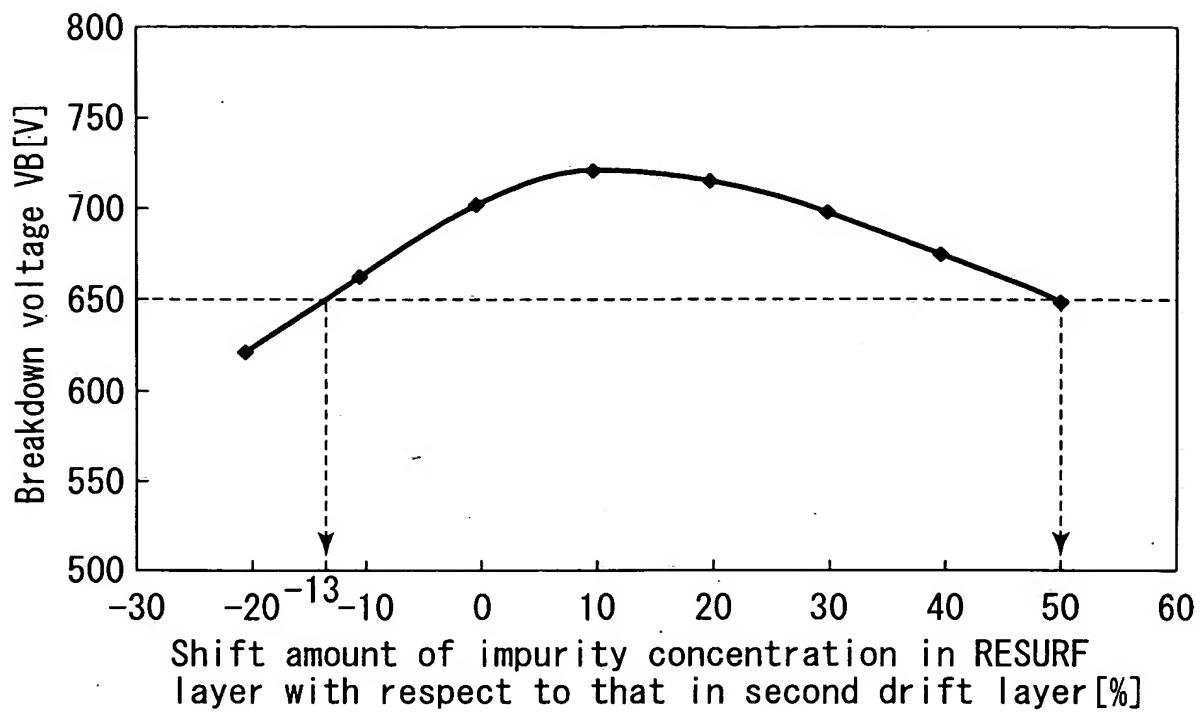


FIG. 11

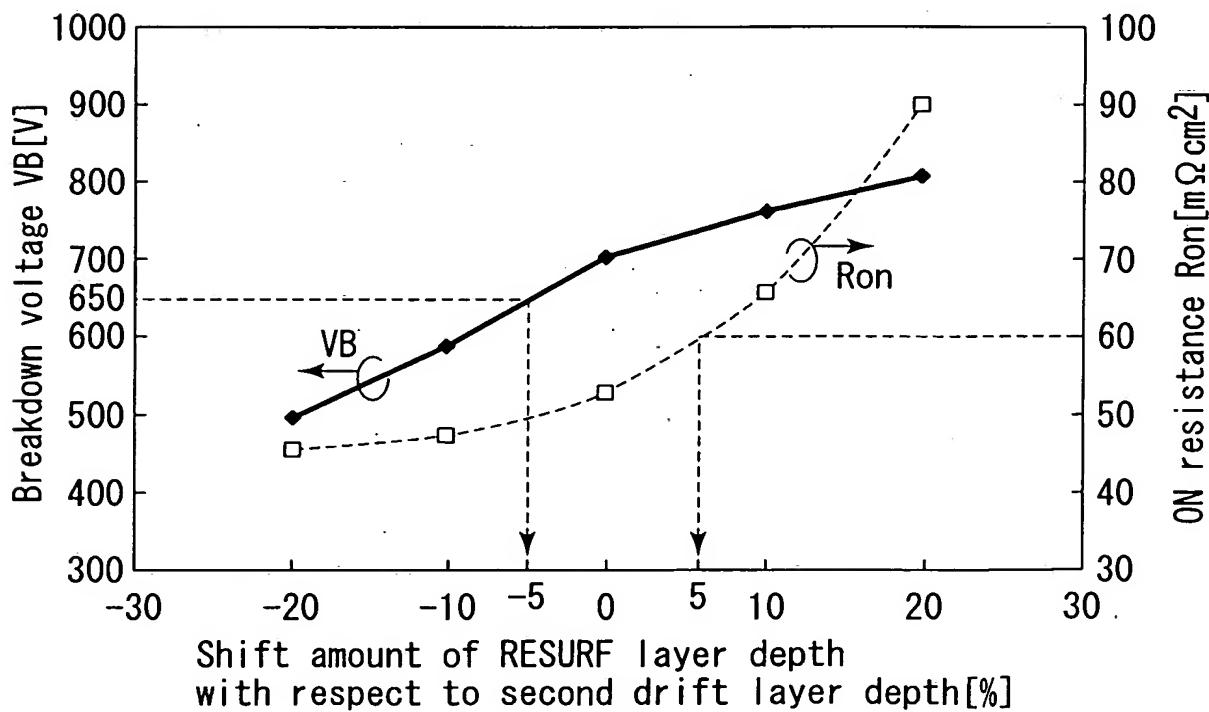


FIG. 12

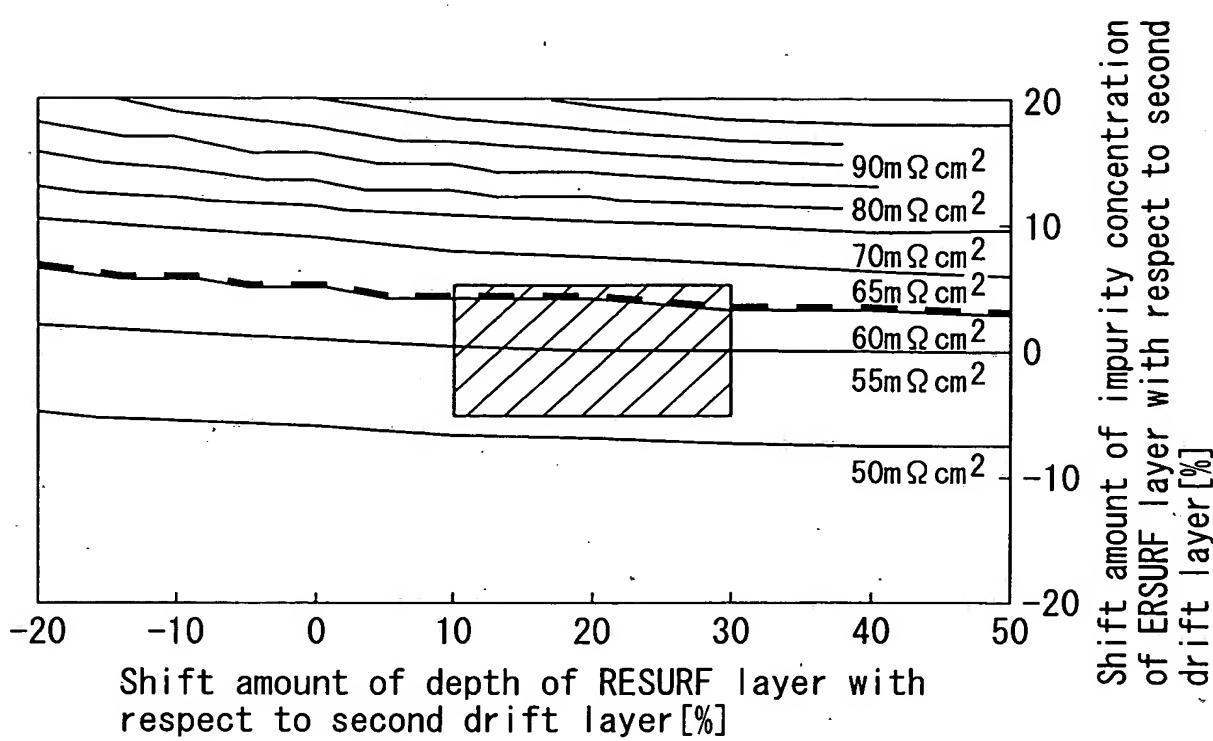


FIG. 13A

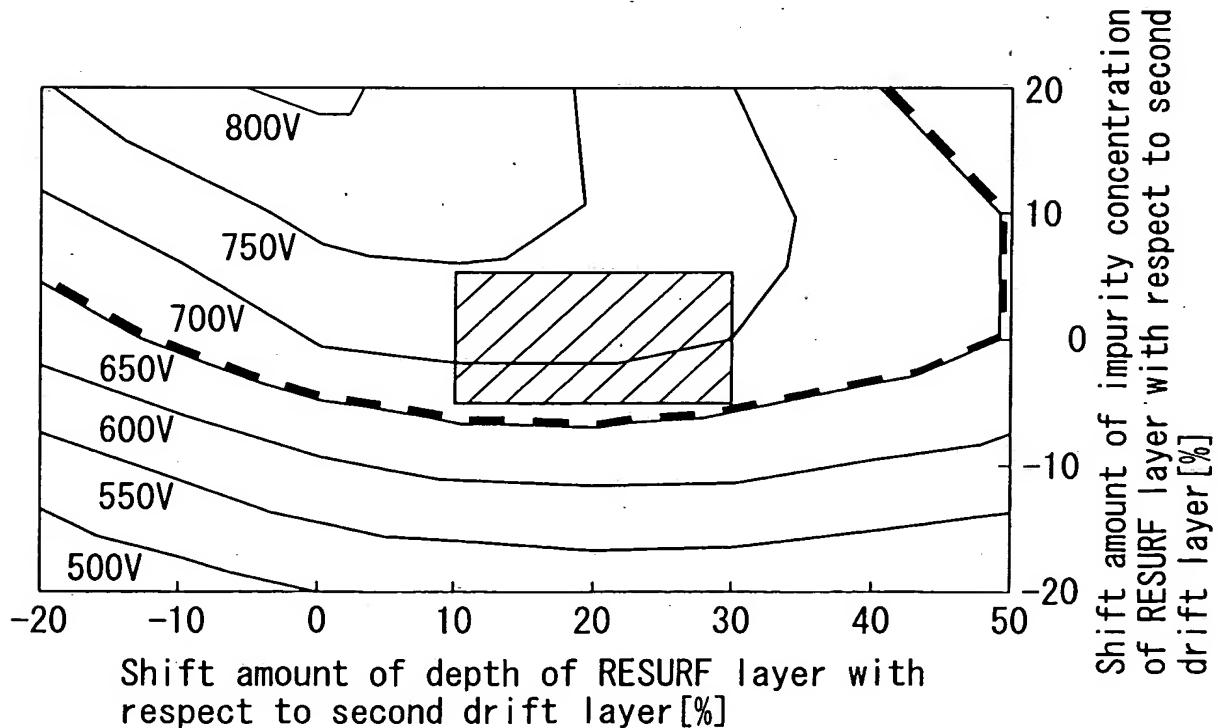


FIG. 13B

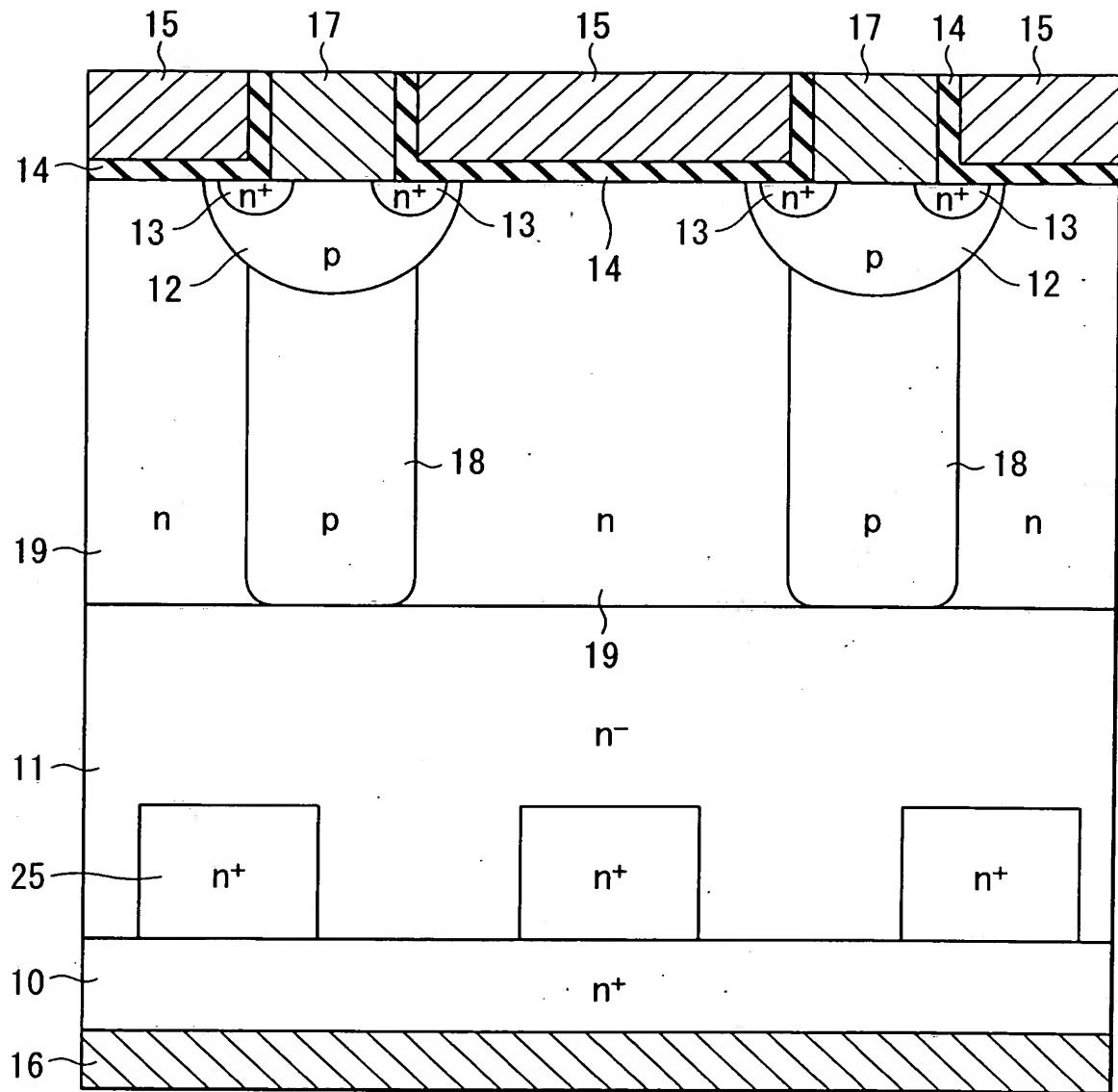


FIG. 14

FIG. 15A

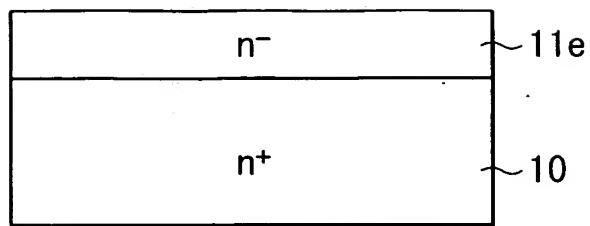


FIG. 15B

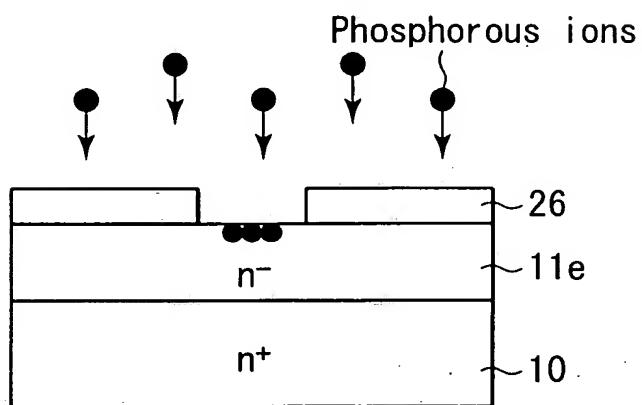


FIG. 15C

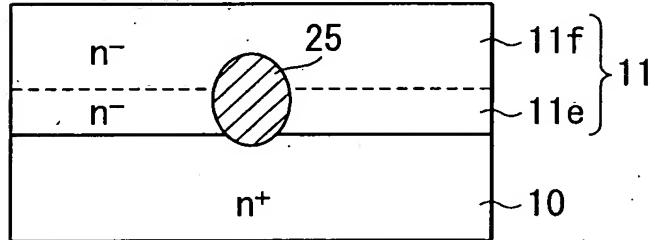
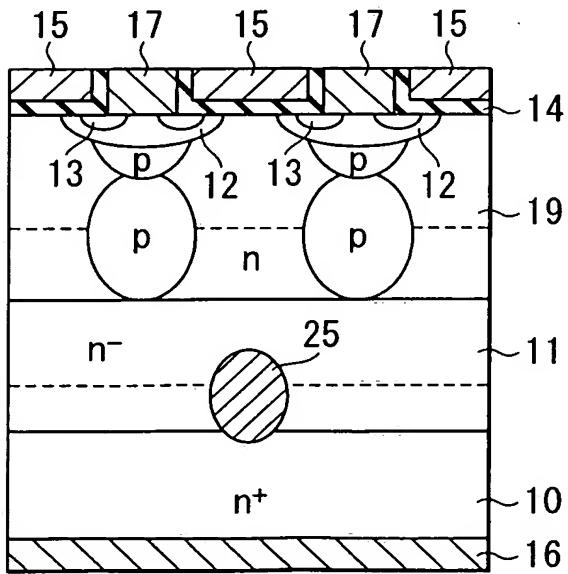


FIG. 15D



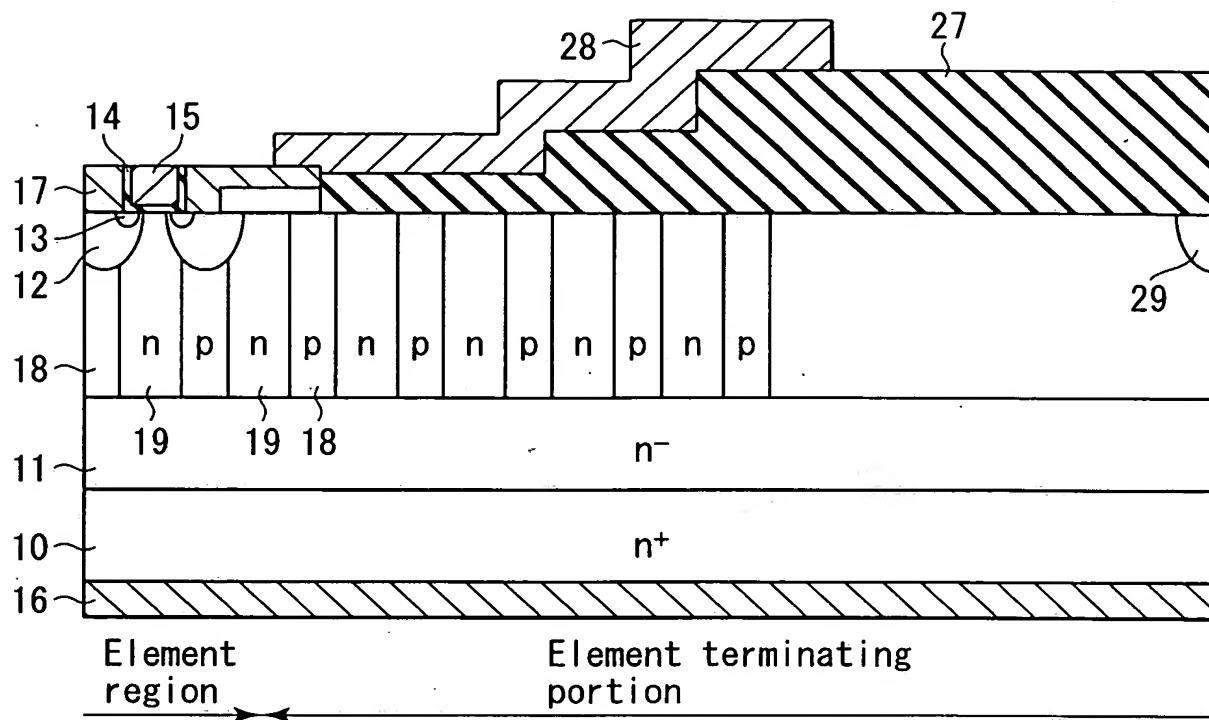


FIG. 16

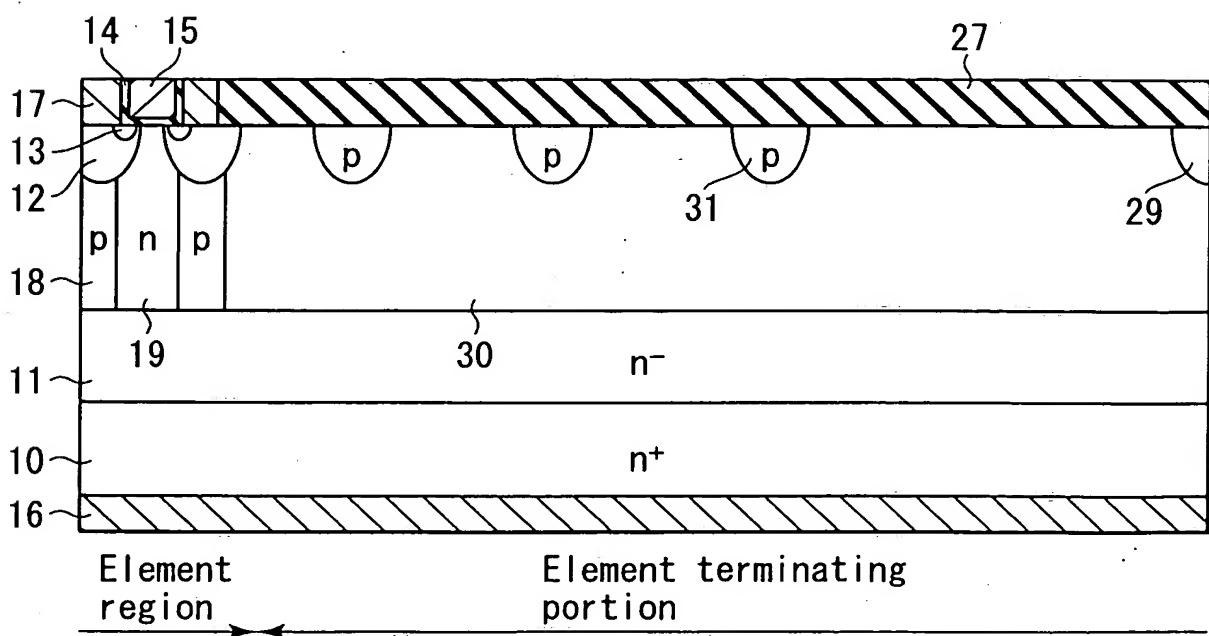


FIG. 17

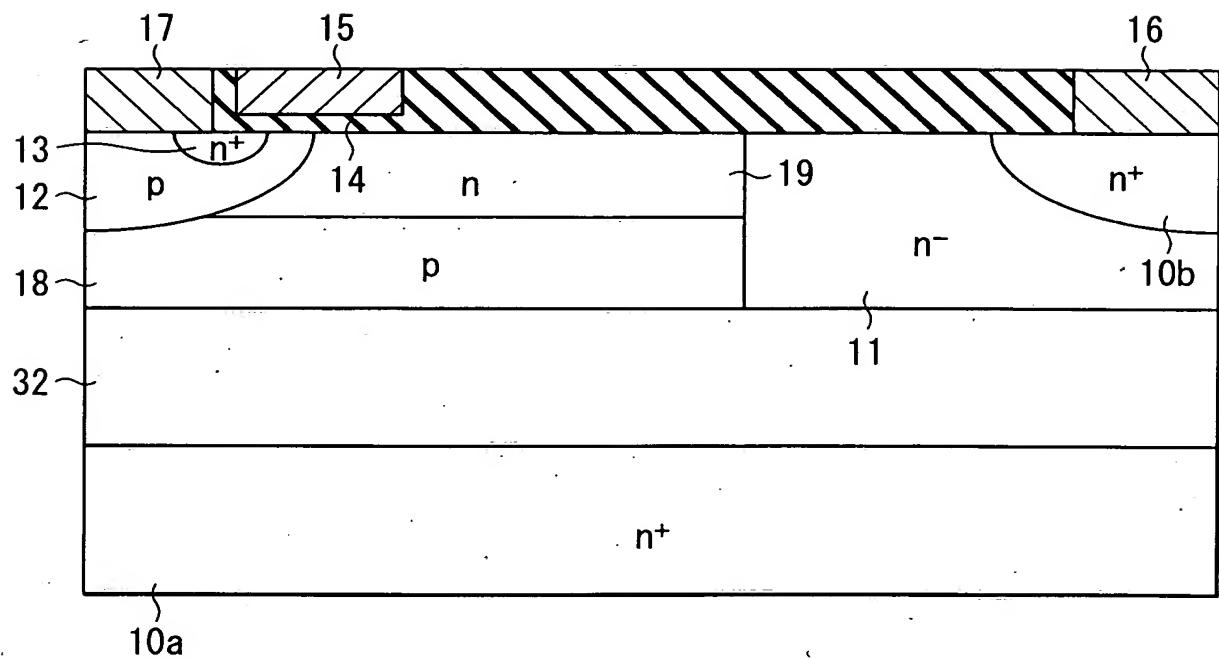


FIG. 18

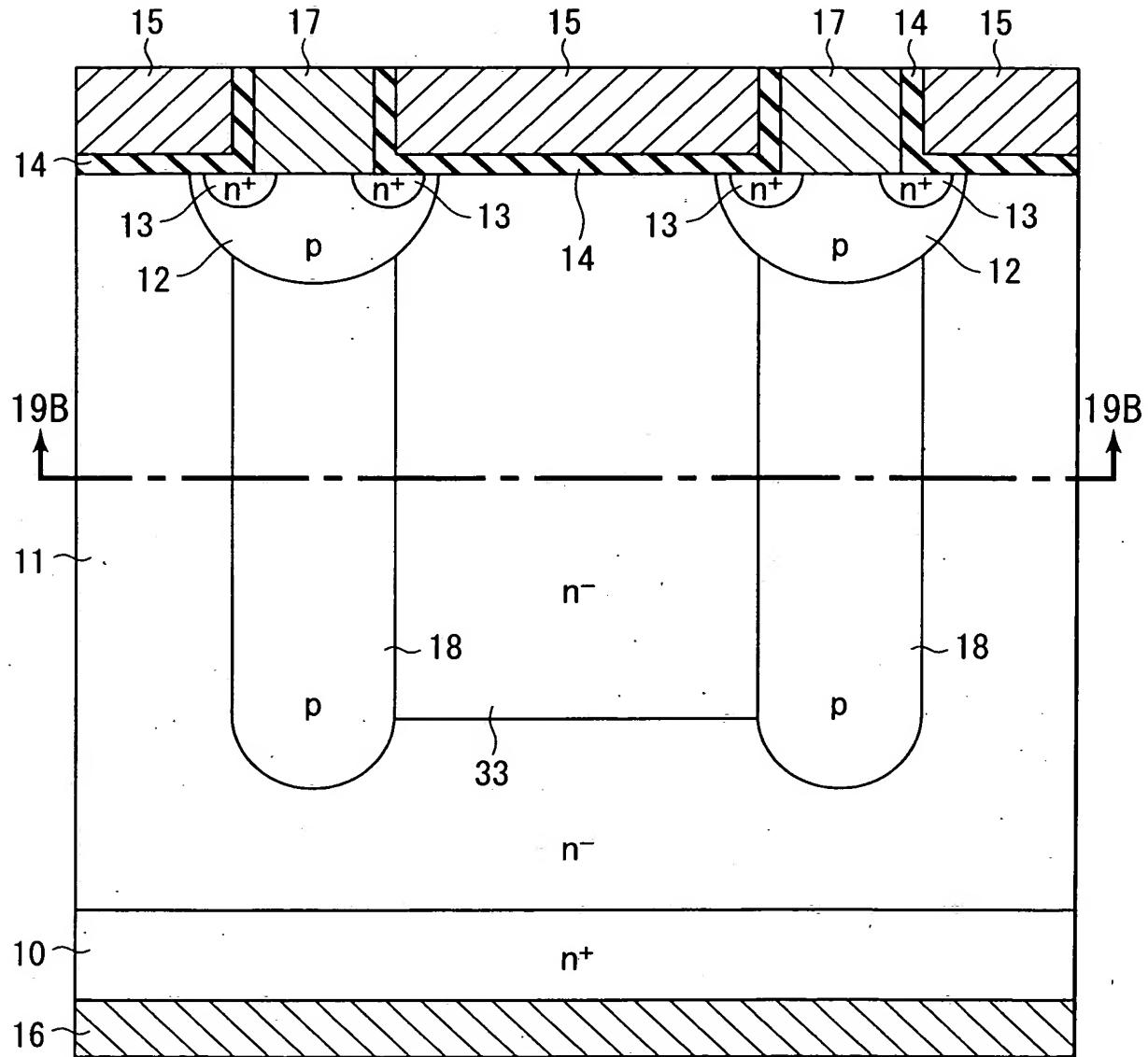


FIG. 19A

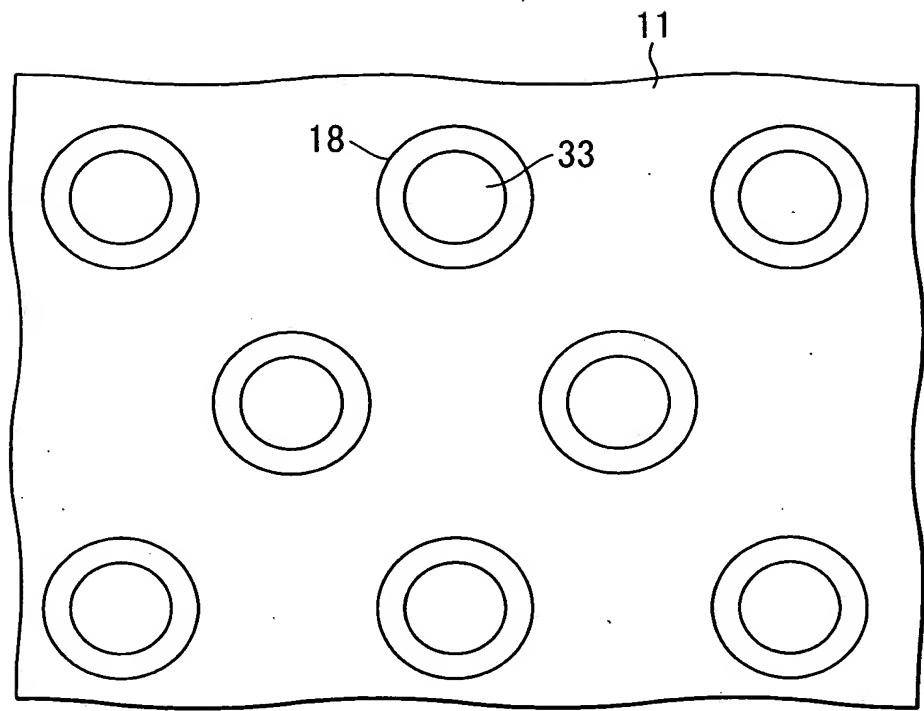


FIG. 19B

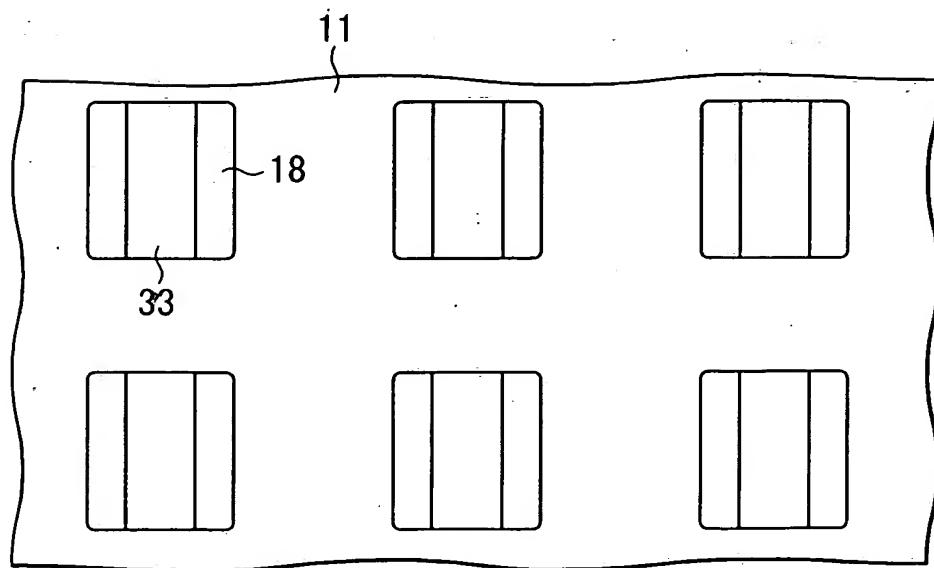


FIG. 19C

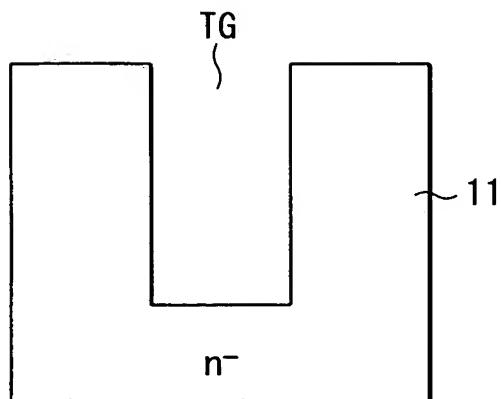


FIG. 20A

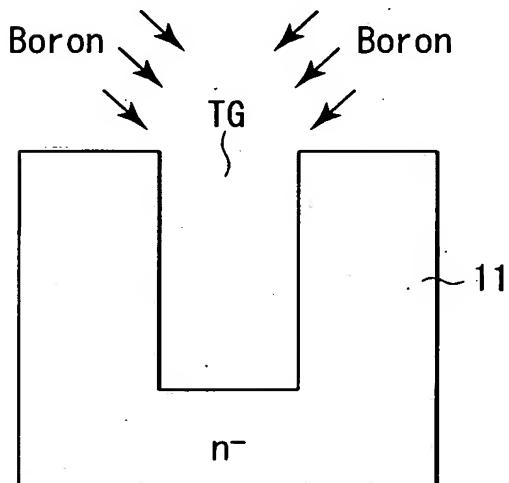


FIG. 20B

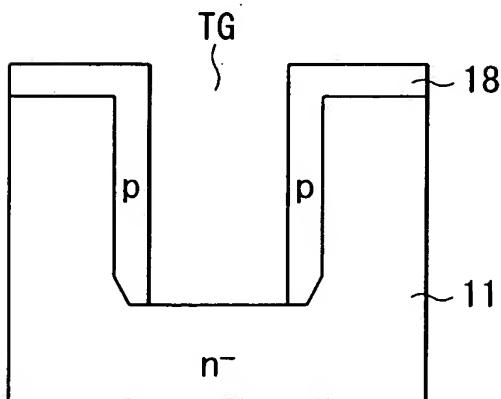


FIG. 20C

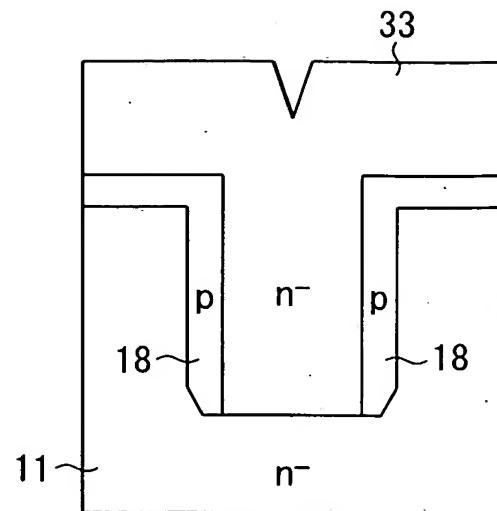


FIG. 20D

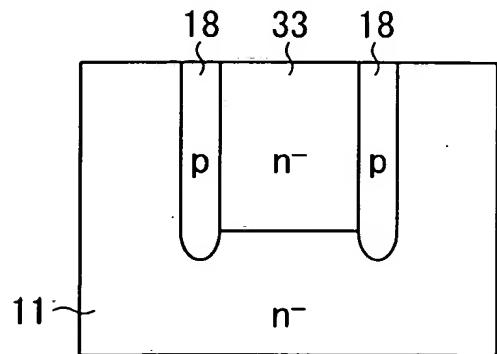


FIG. 20E

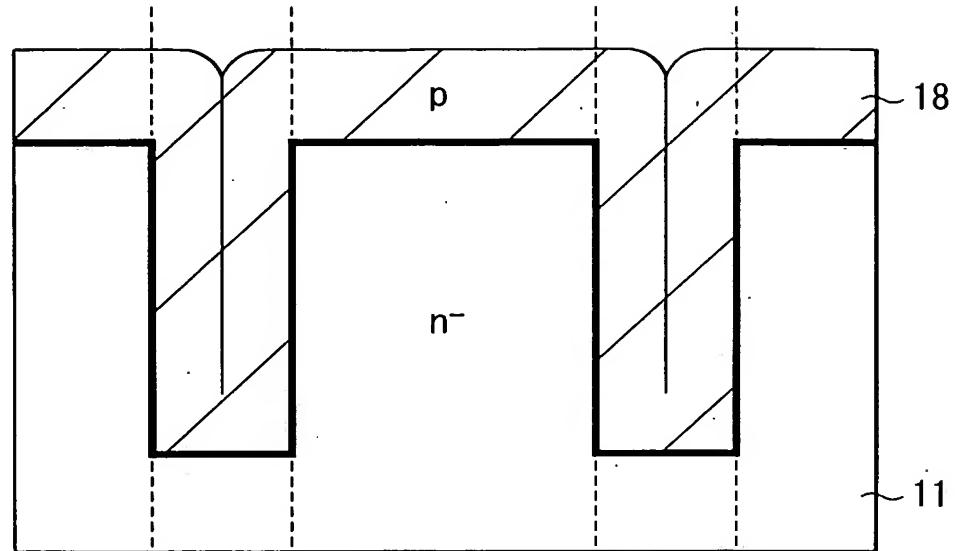


FIG. 20F

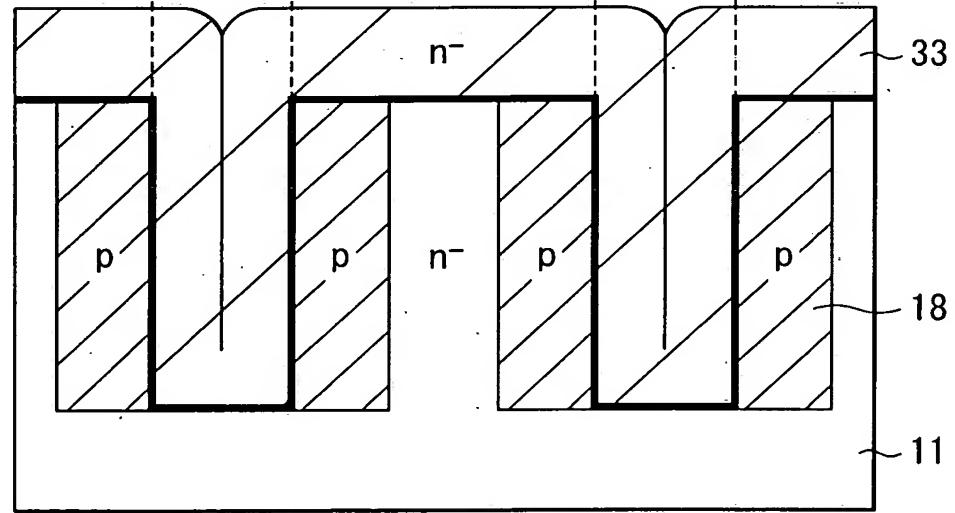


FIG. 20G

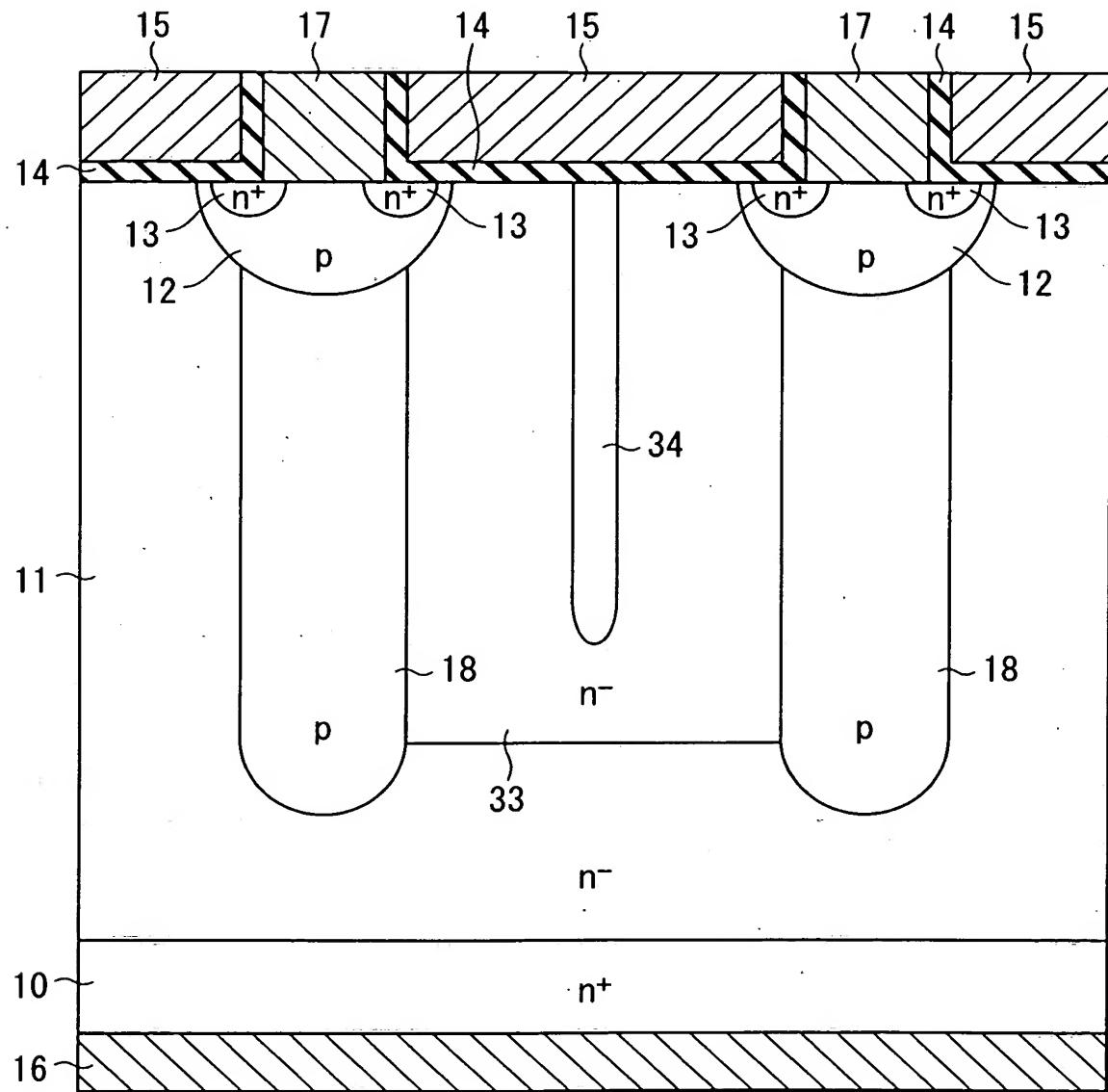


FIG. 21

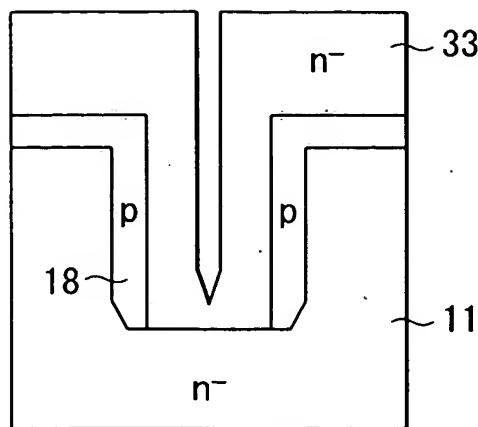


FIG. 22A

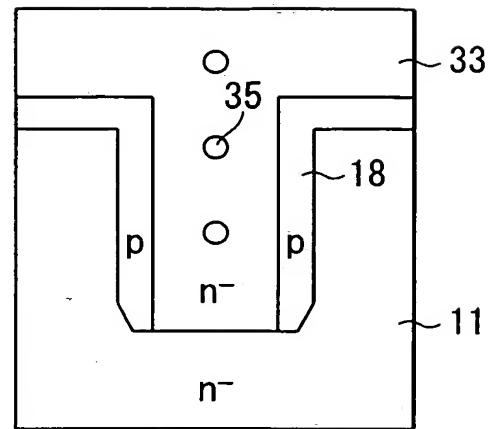


FIG. 23A

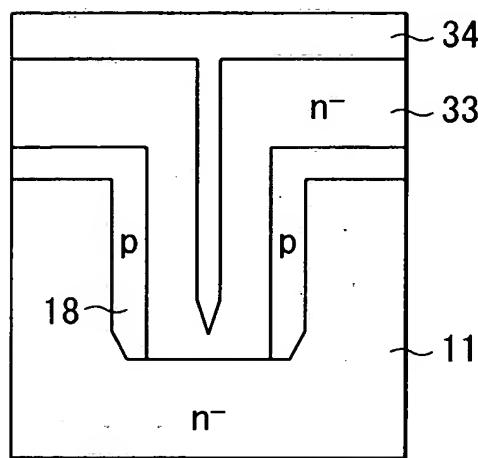


FIG. 22B

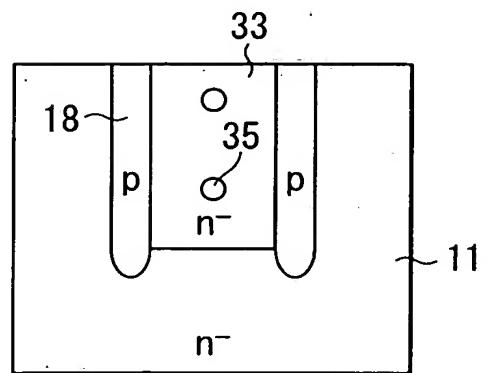


FIG. 23B

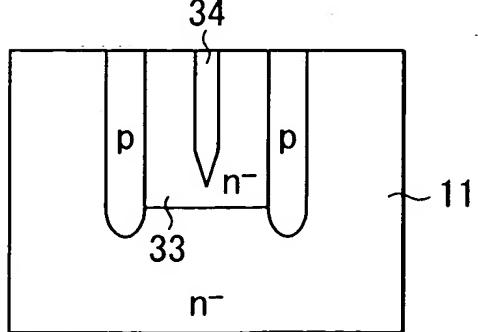


FIG. 22C

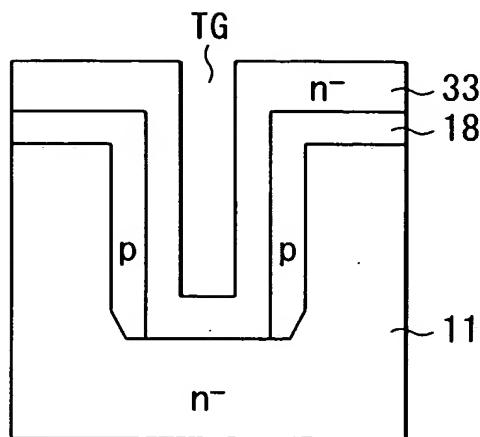


FIG. 24A

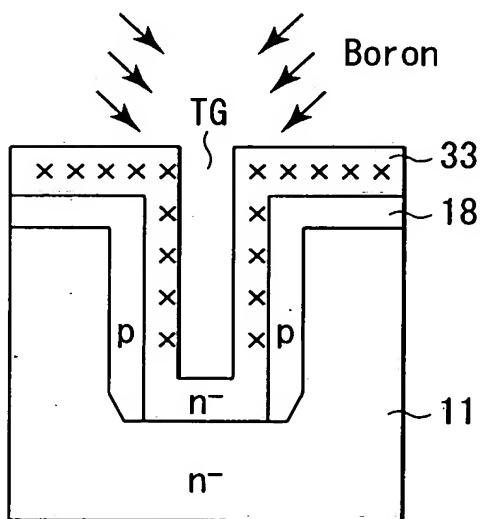


FIG. 24B

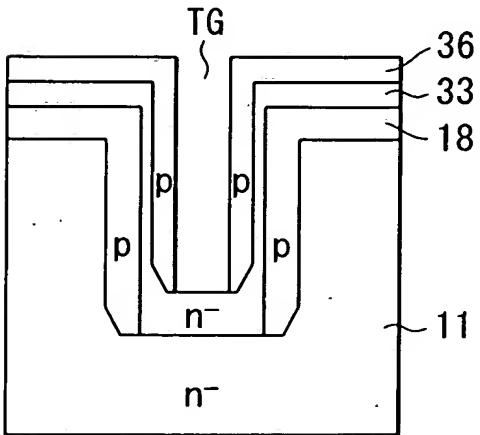


FIG. 24C

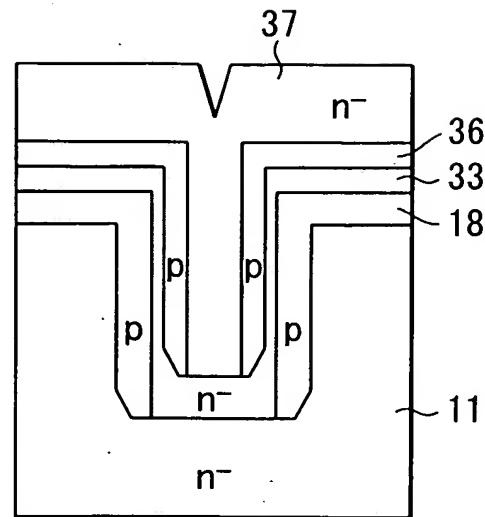


FIG. 24D

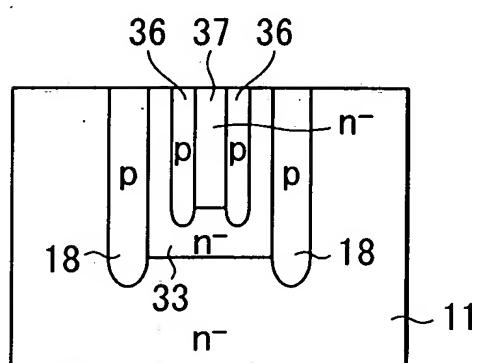


FIG. 24E

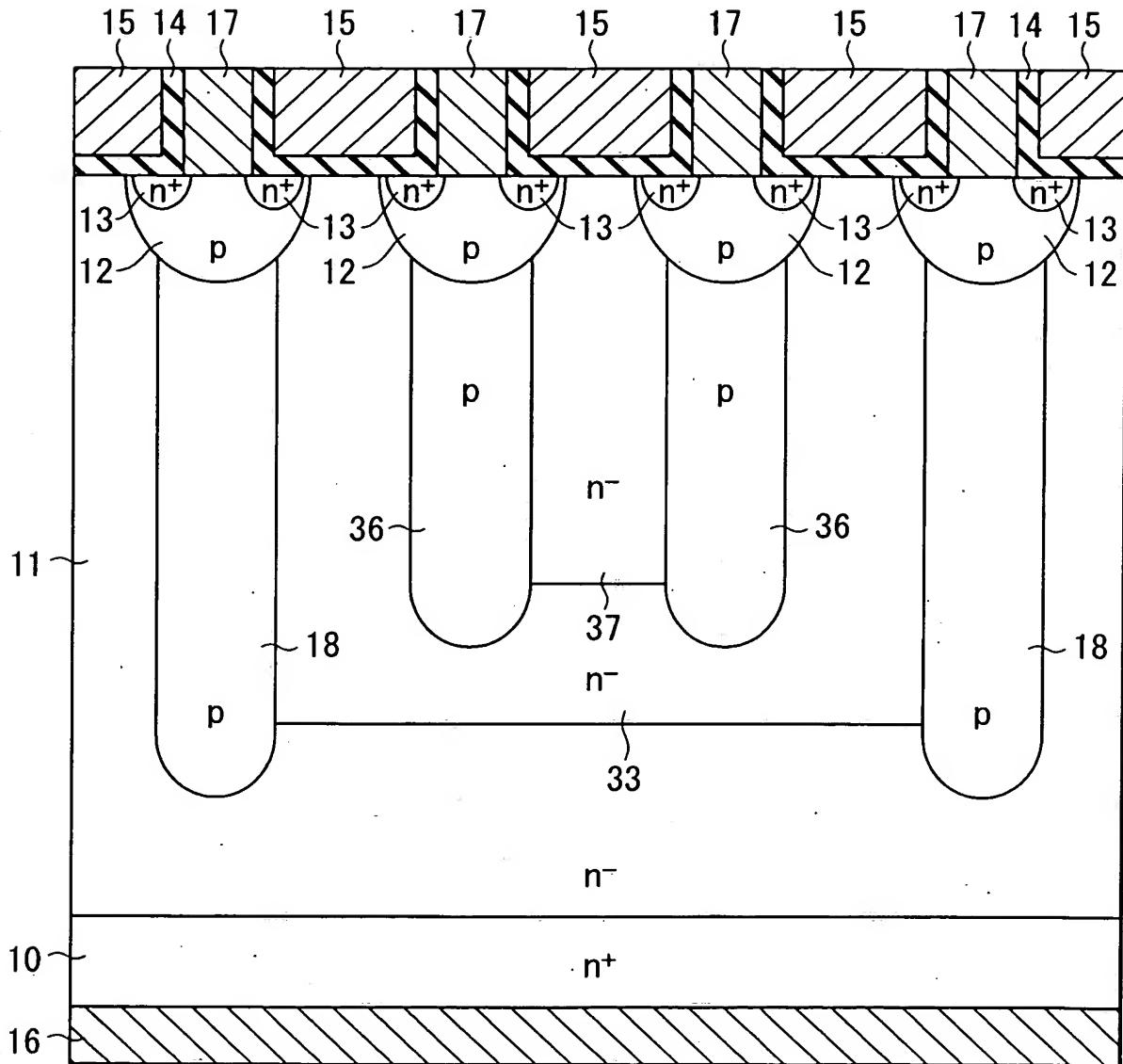
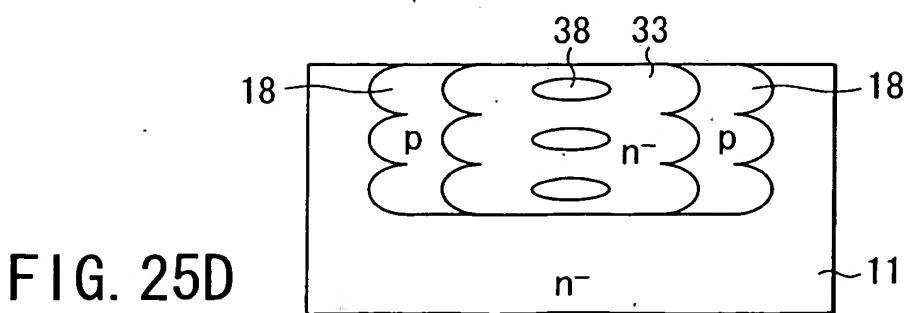
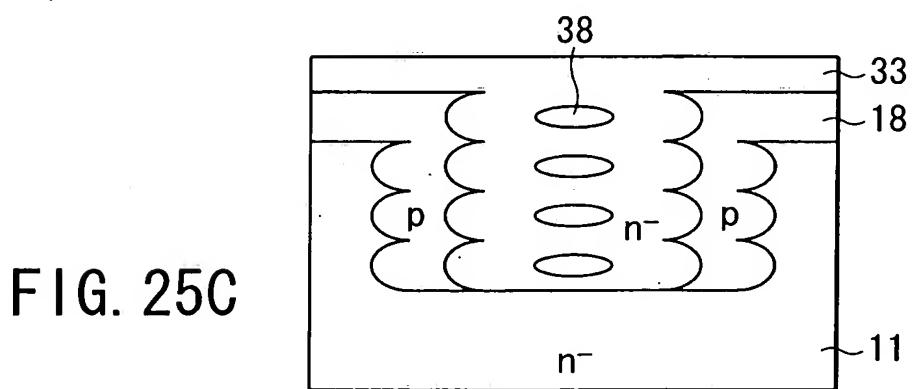
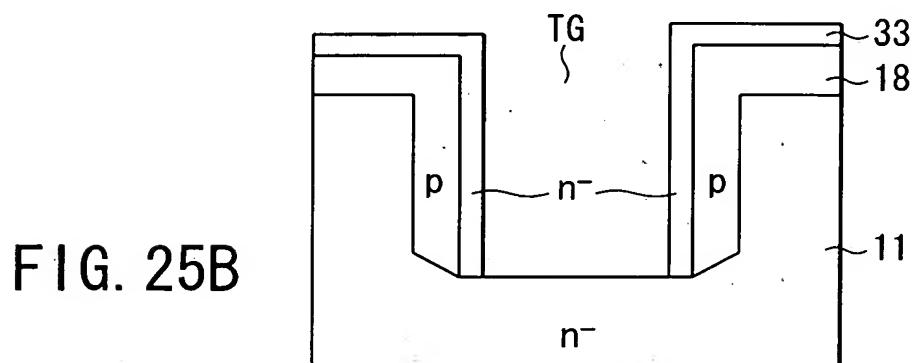
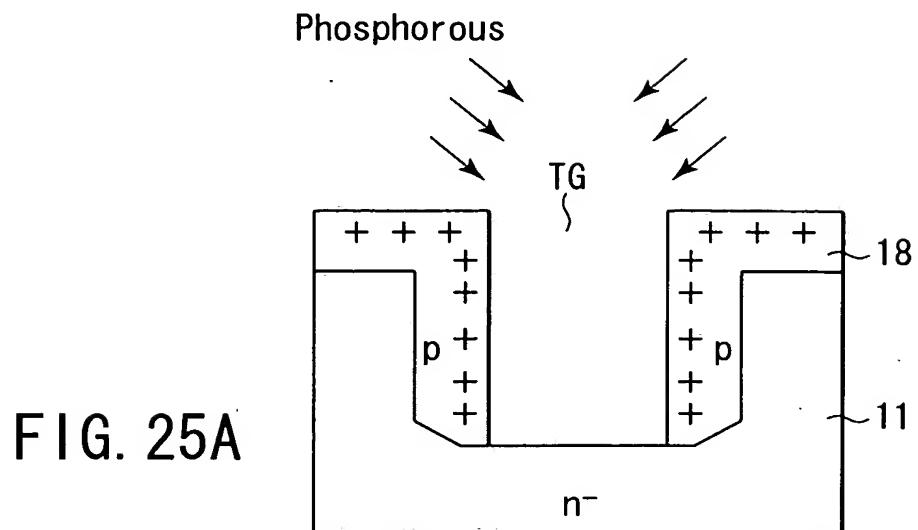
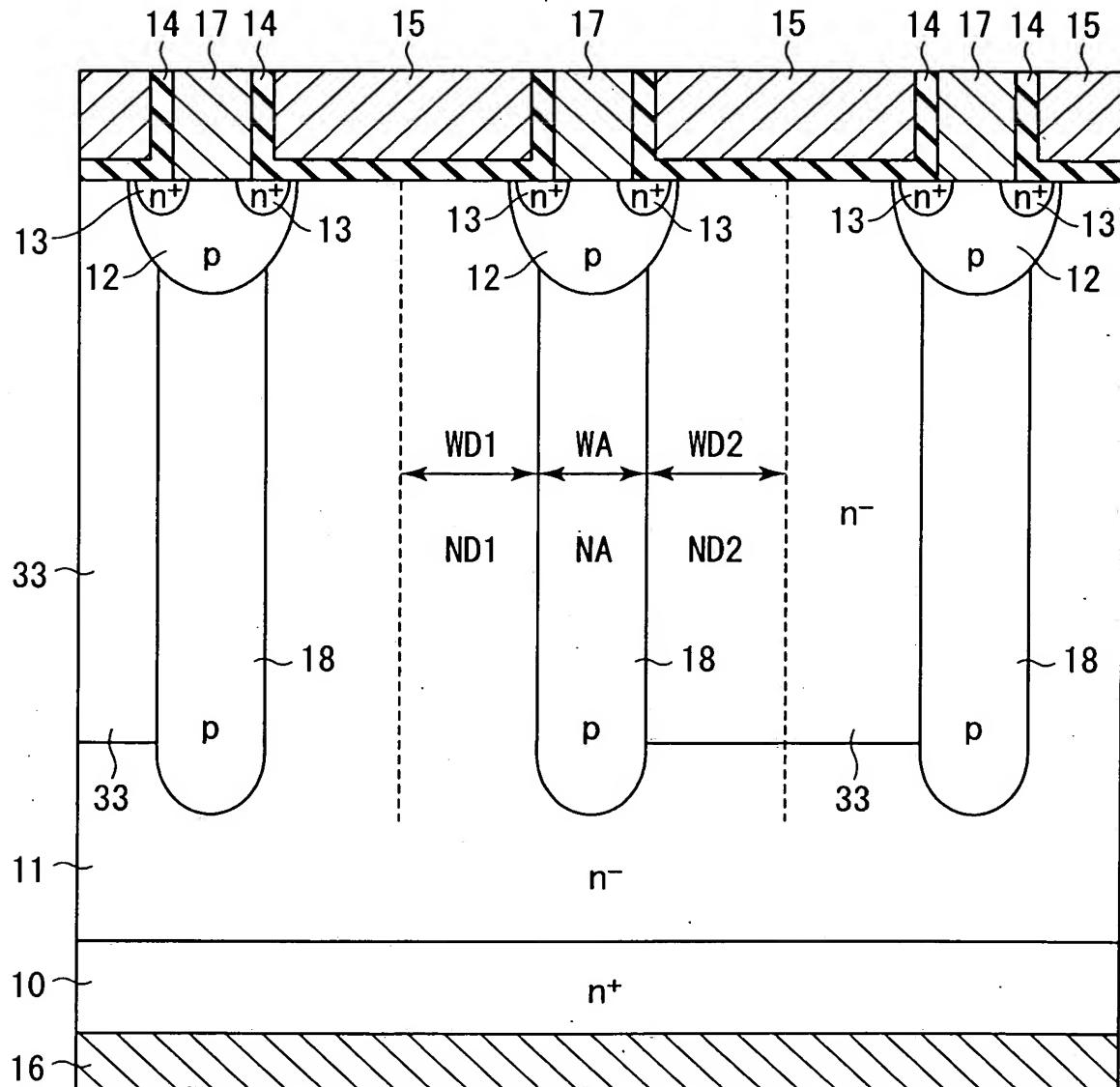


FIG. 24F





$$NA \cdot WA = ND1 \cdot WD1 + ND2 \cdot WD2$$

FIG. 26

FIG. 27A

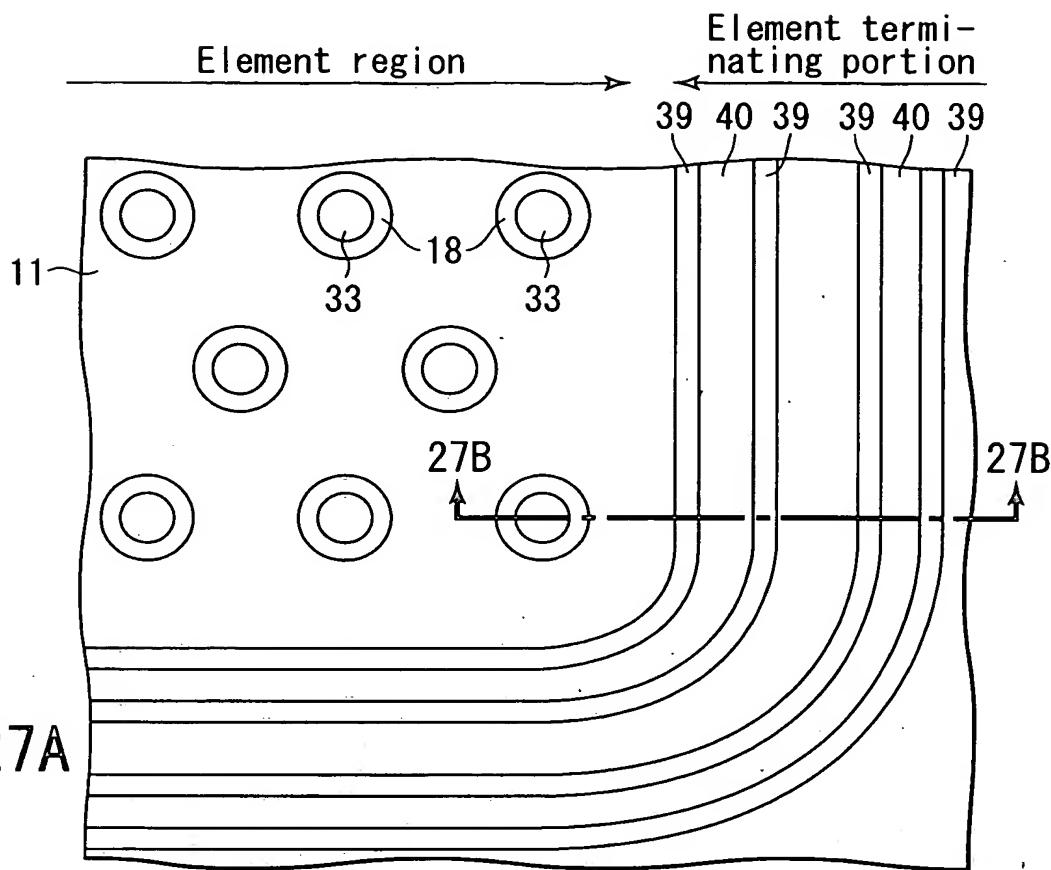
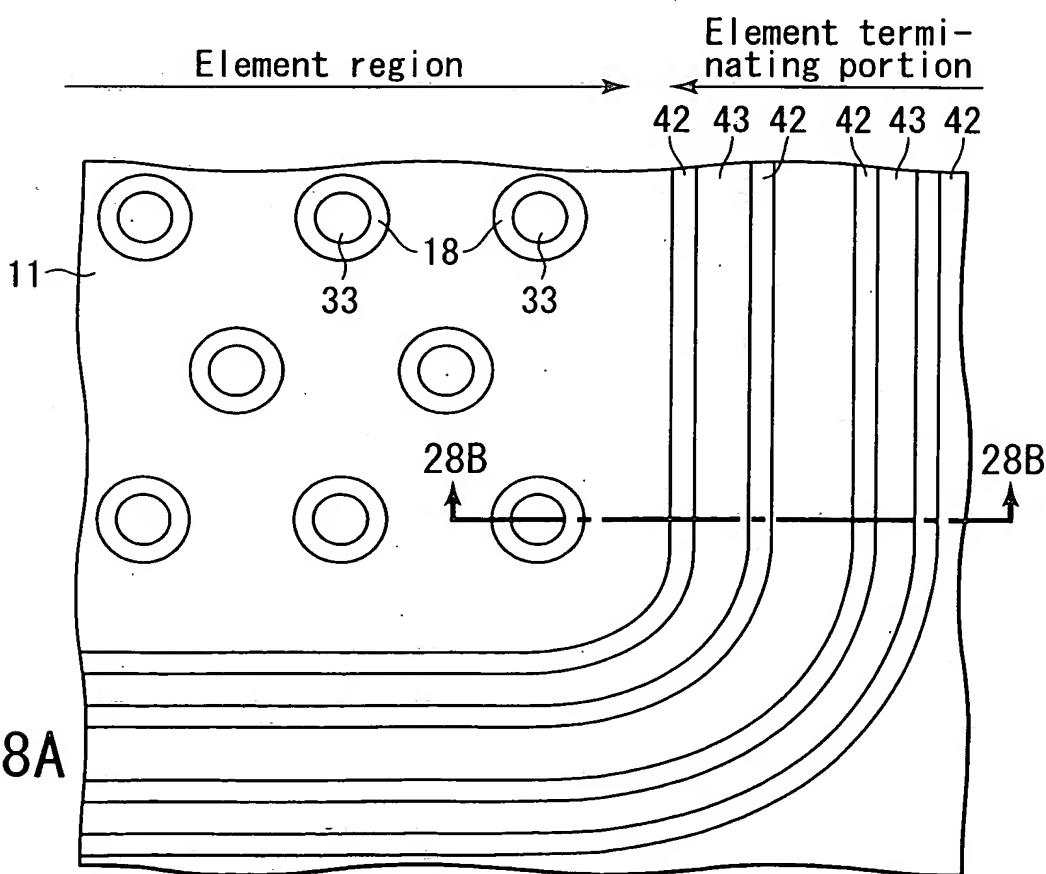


FIG. 28A



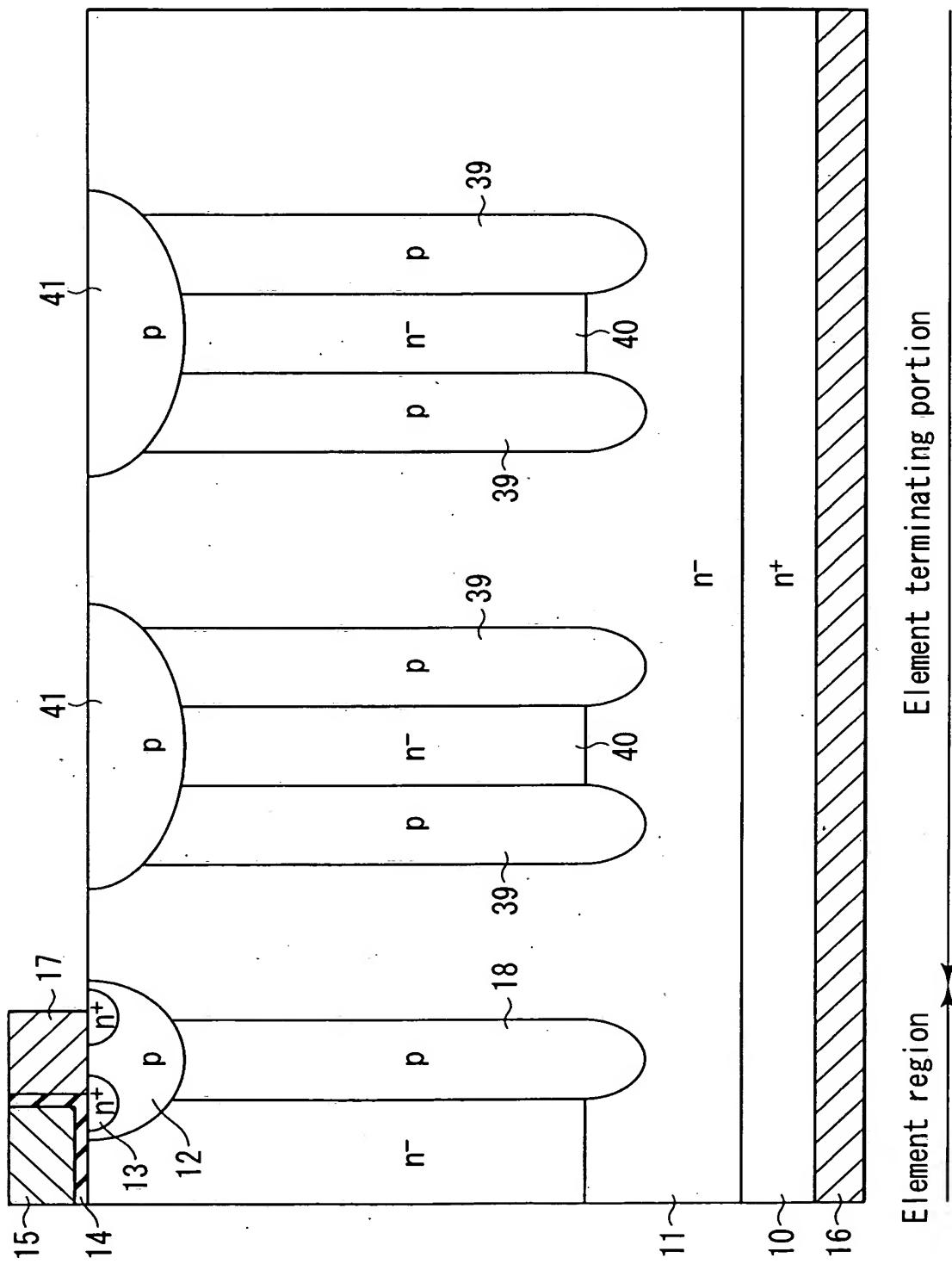


FIG. 27B

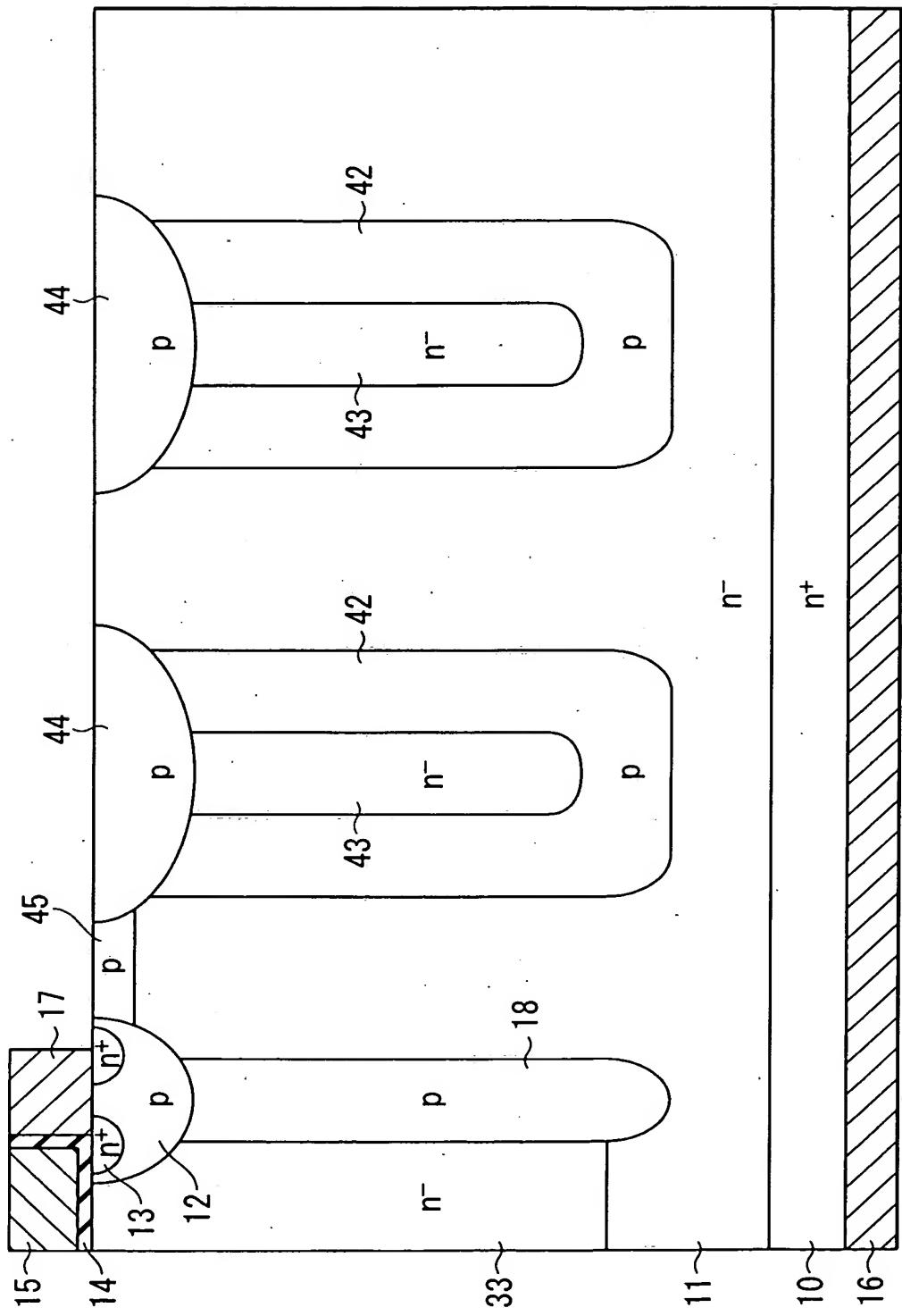


FIG. 28B

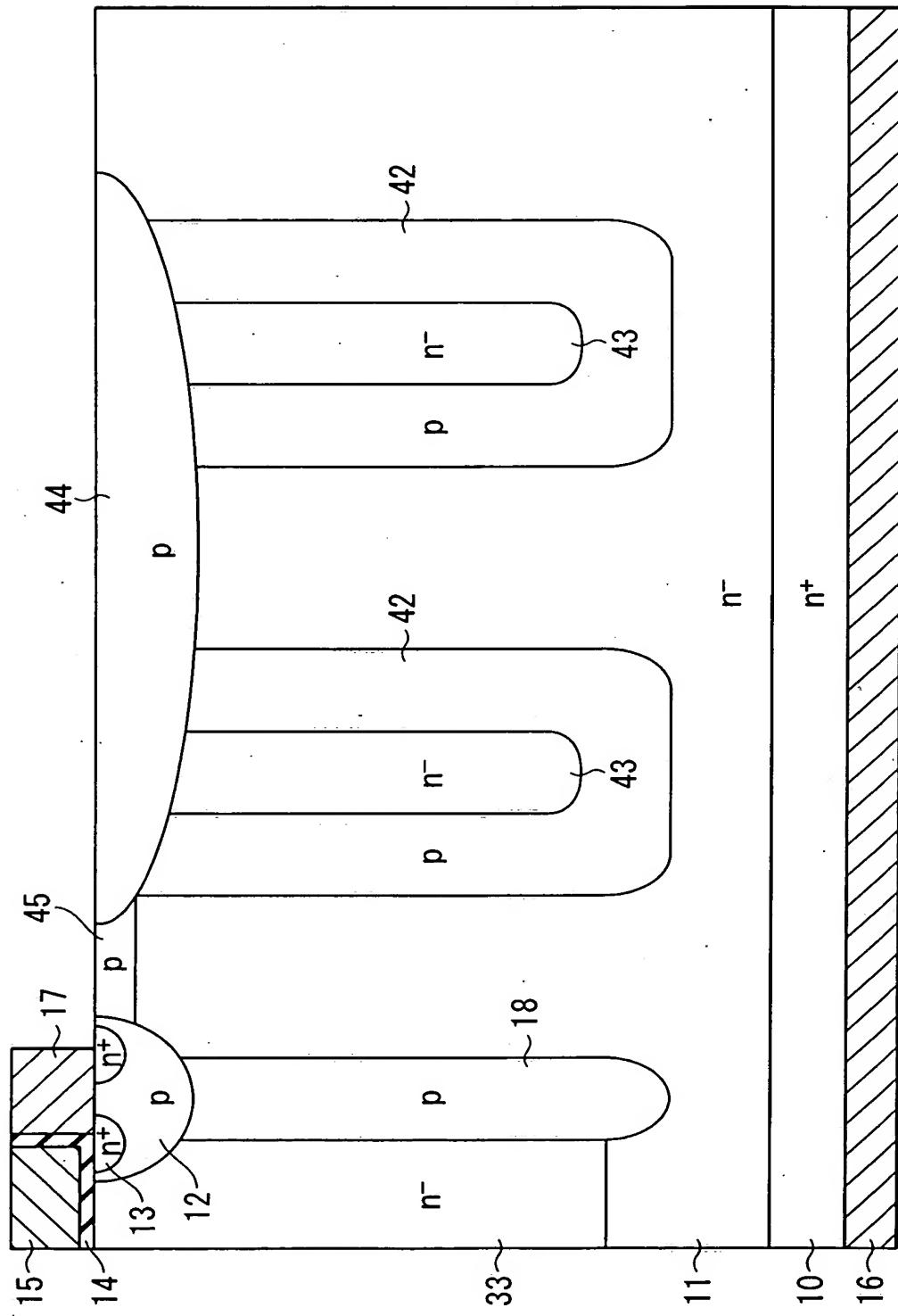


FIG. 29

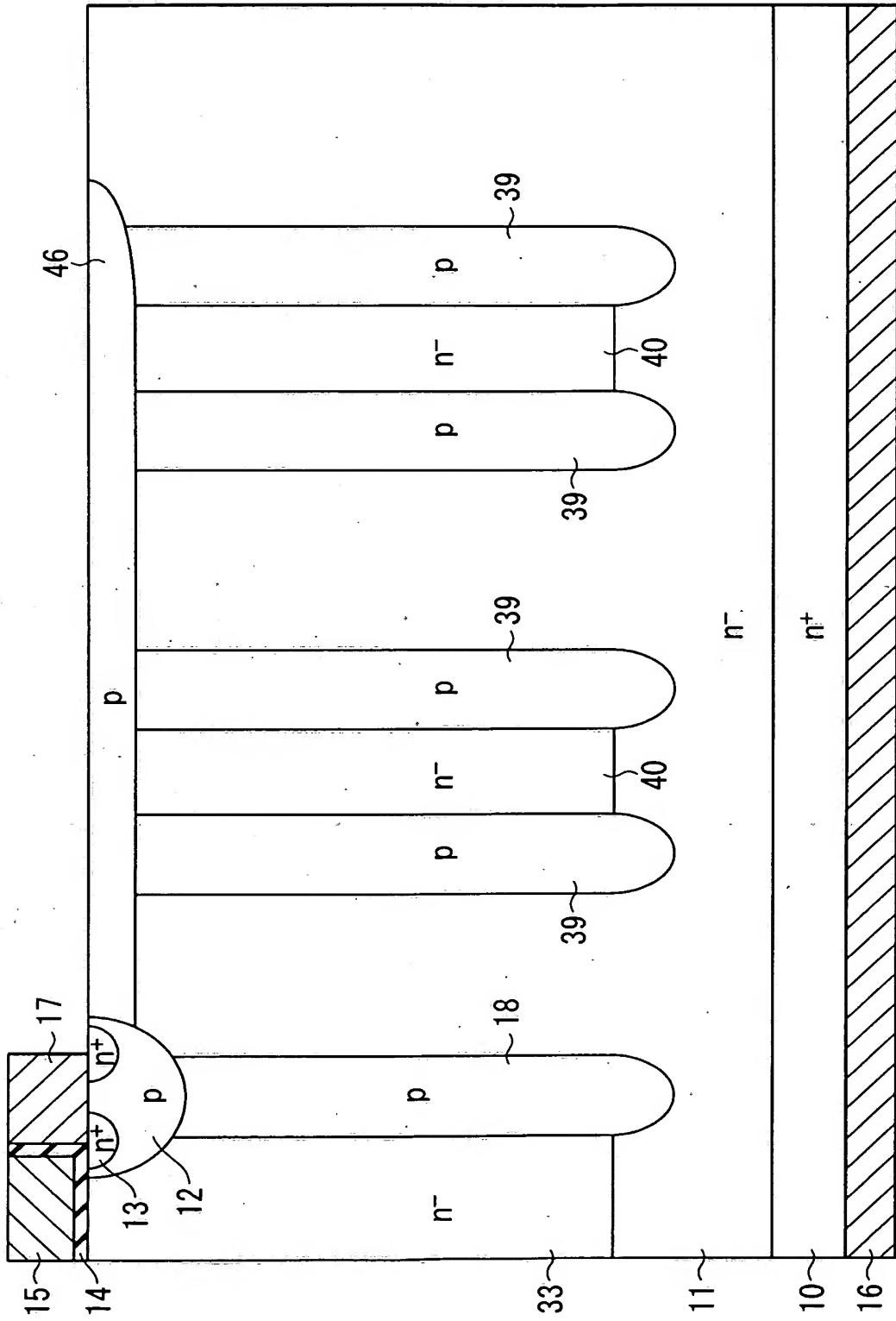


FIG. 30

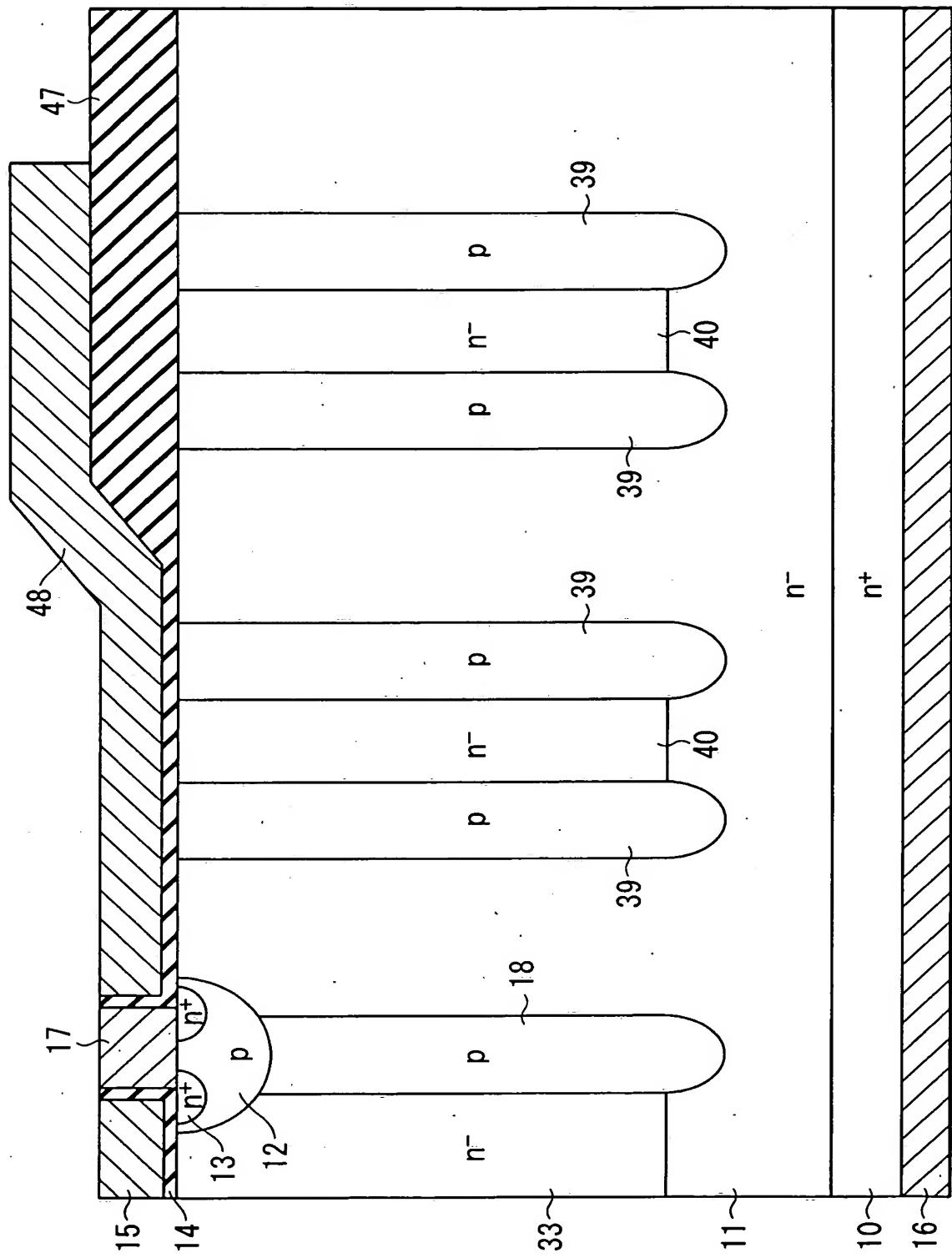
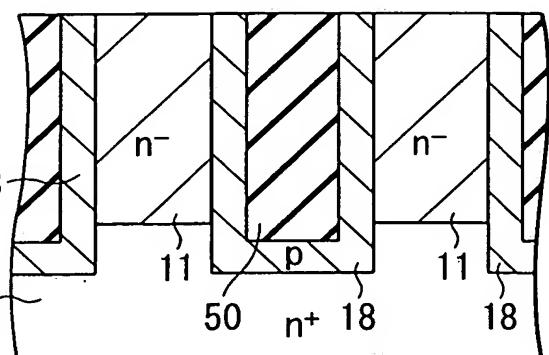
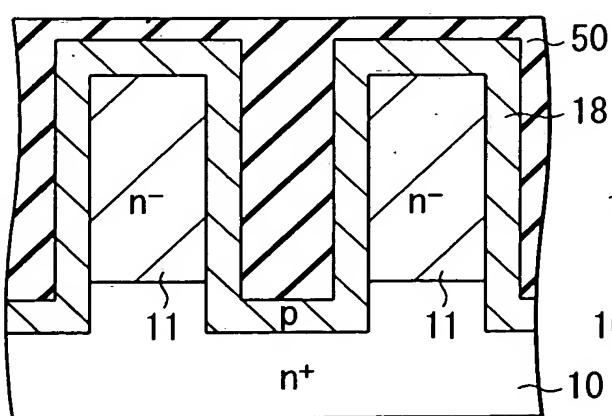
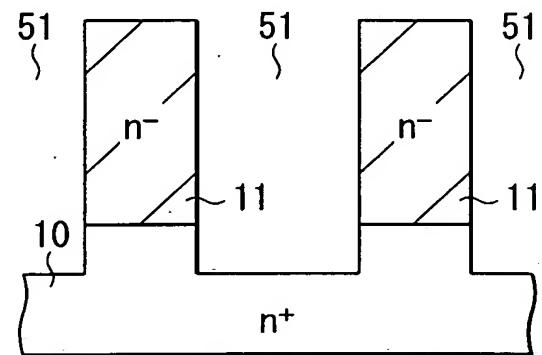
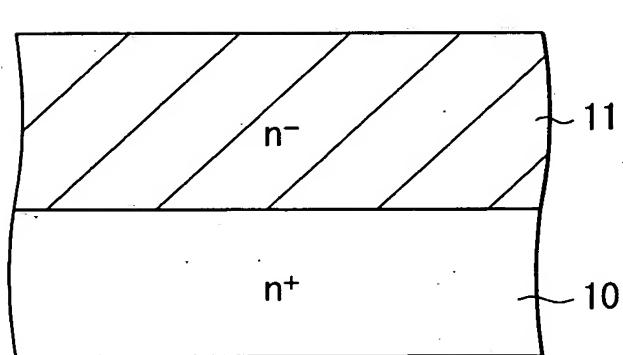
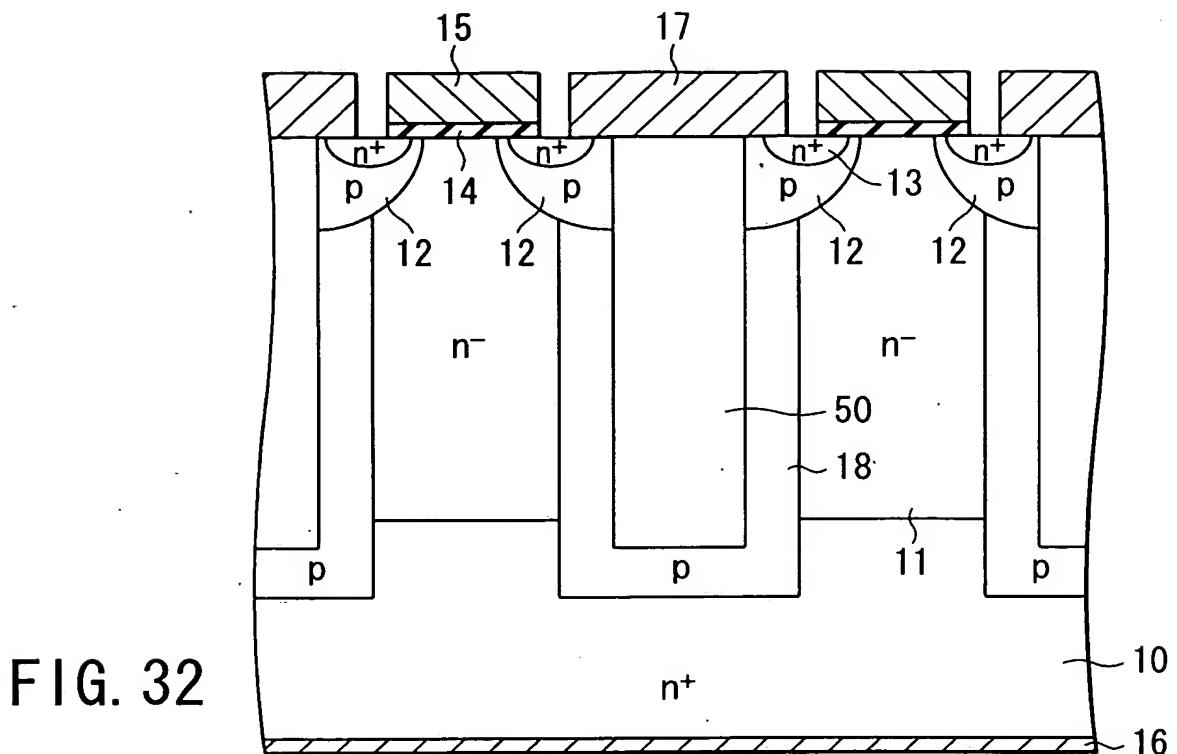


FIG. 31



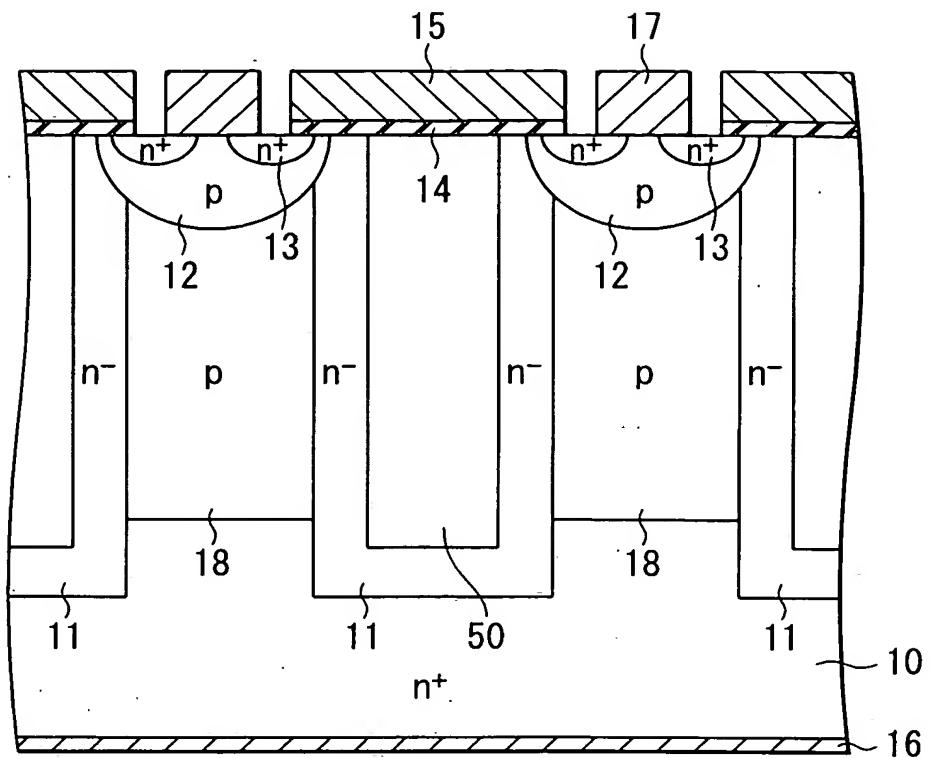


FIG. 34

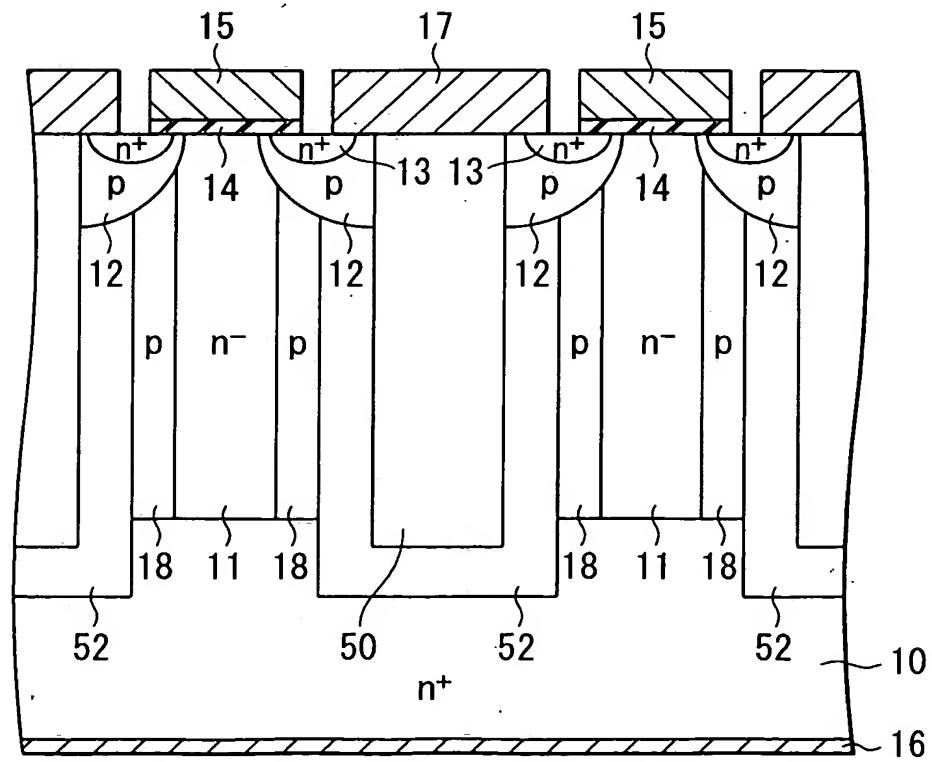


FIG. 35

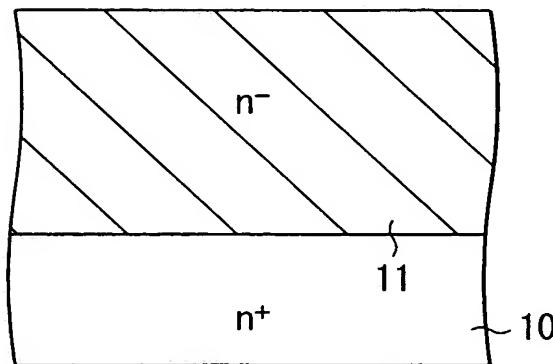


FIG. 36A

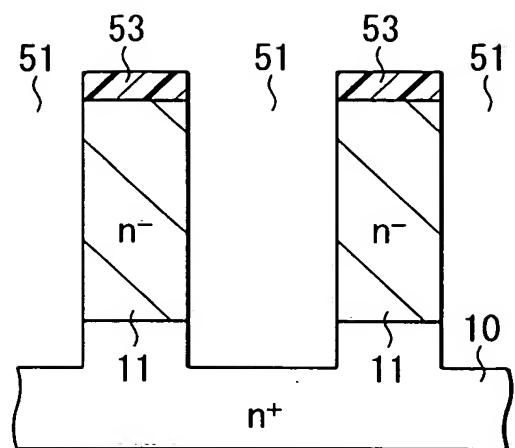


FIG. 36B

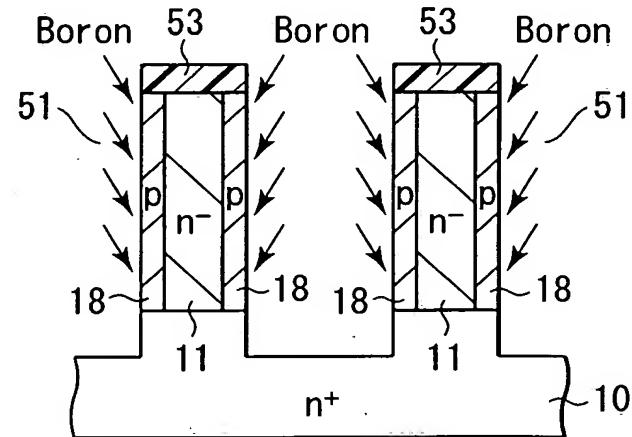


FIG. 36C

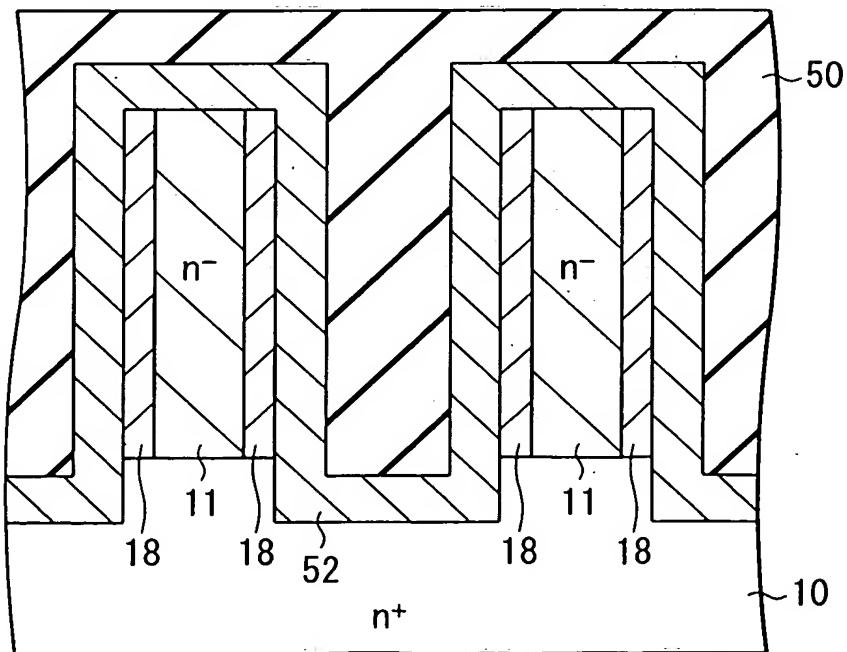


FIG. 36D

FIG. 36E

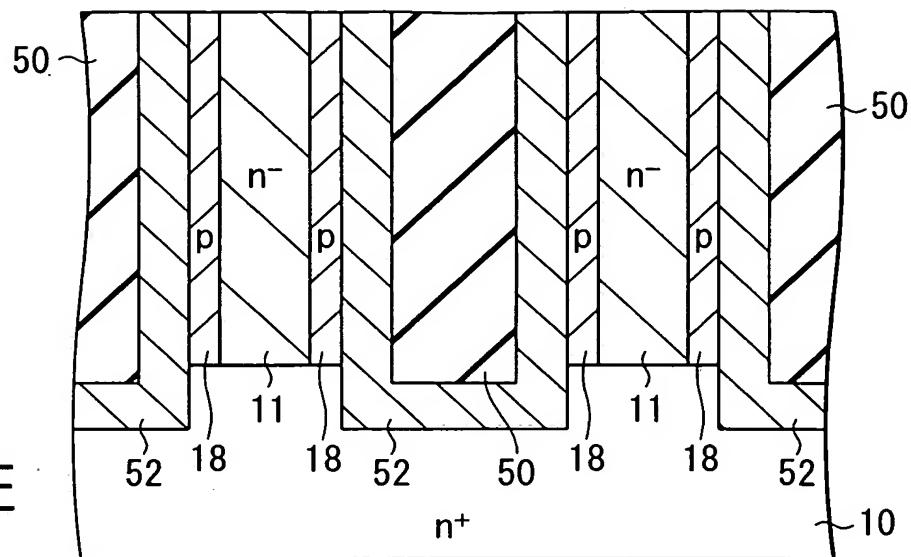


FIG. 37A

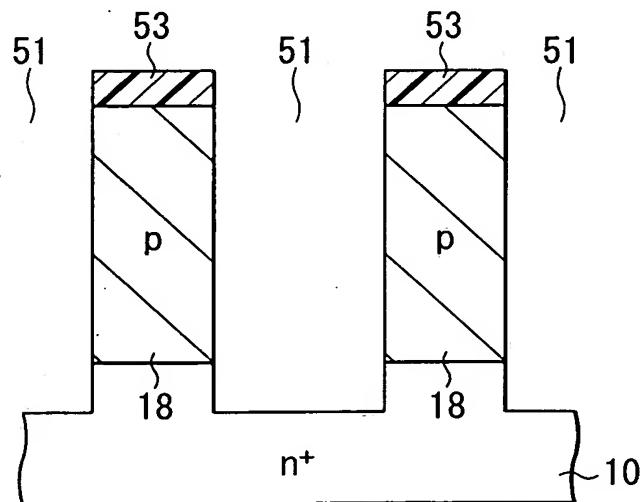


FIG. 37B

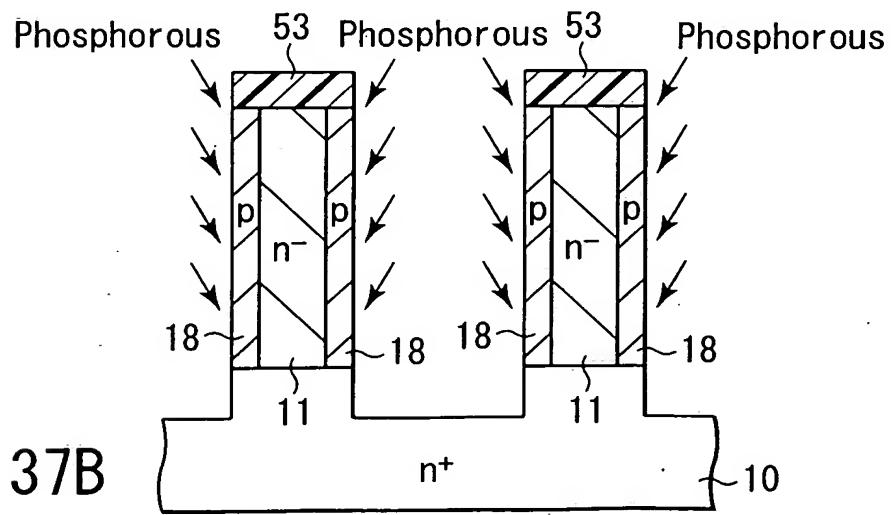


FIG. 38A

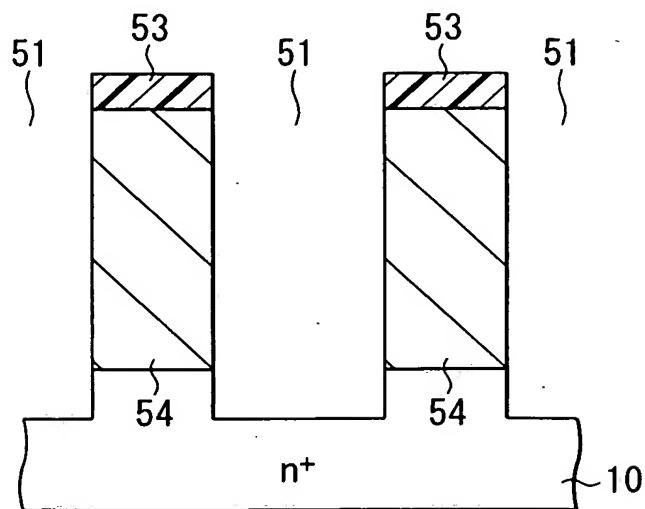


FIG. 38B

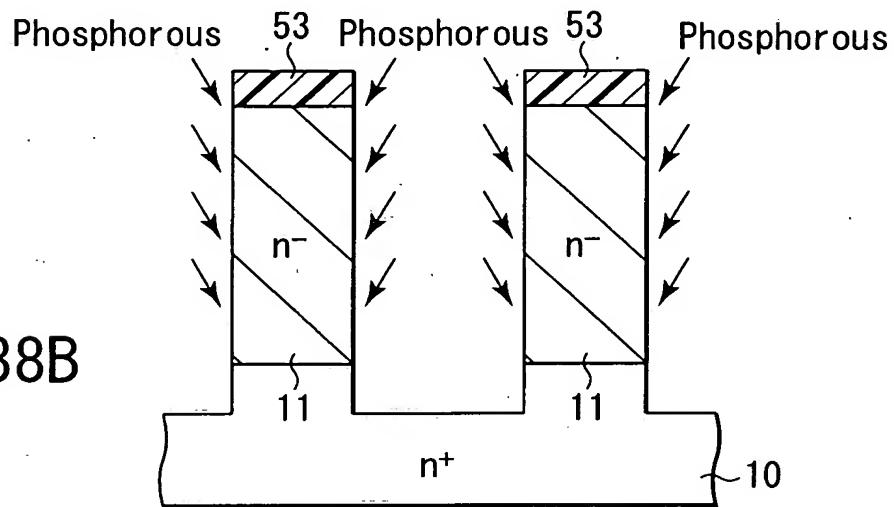
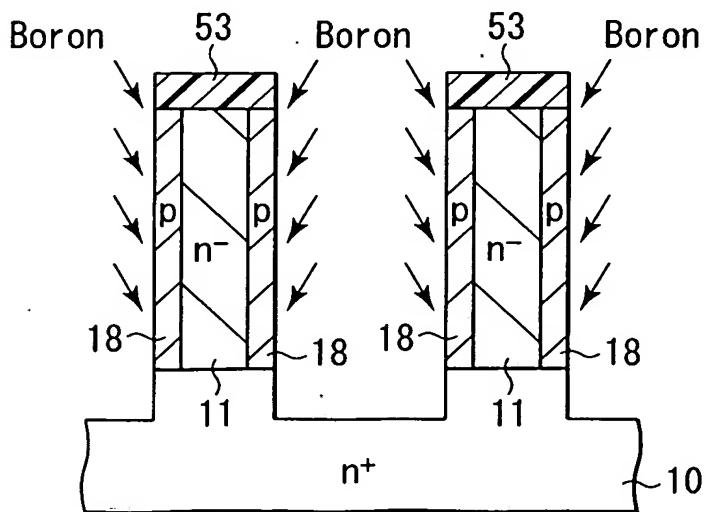


FIG. 38C



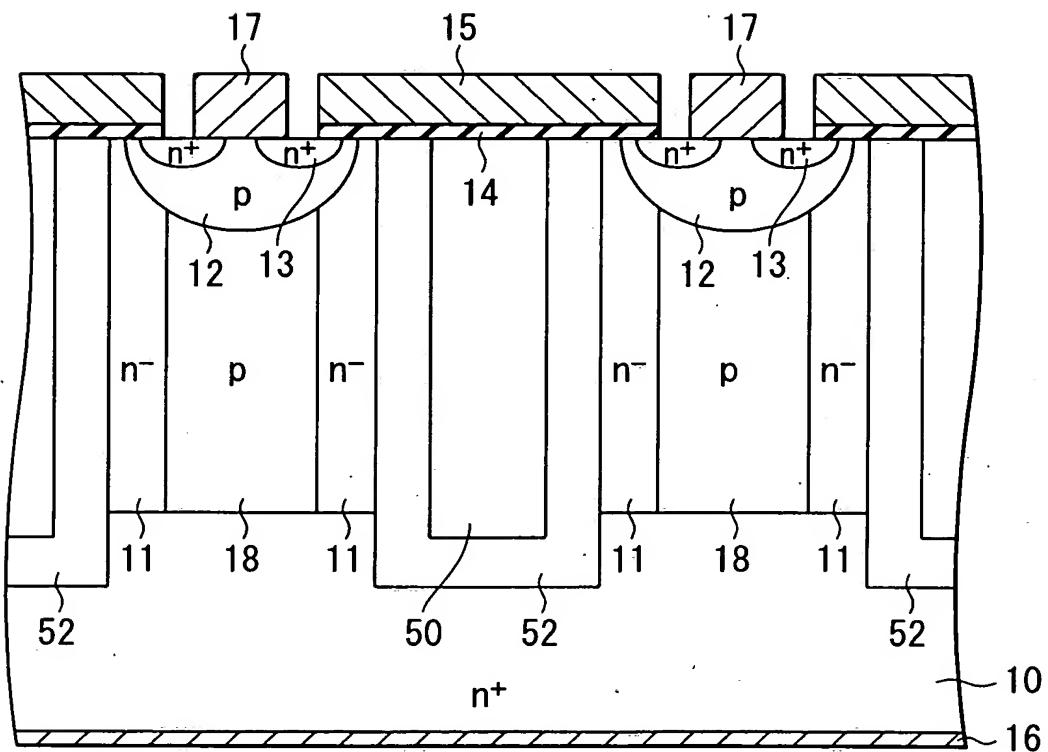


FIG. 39

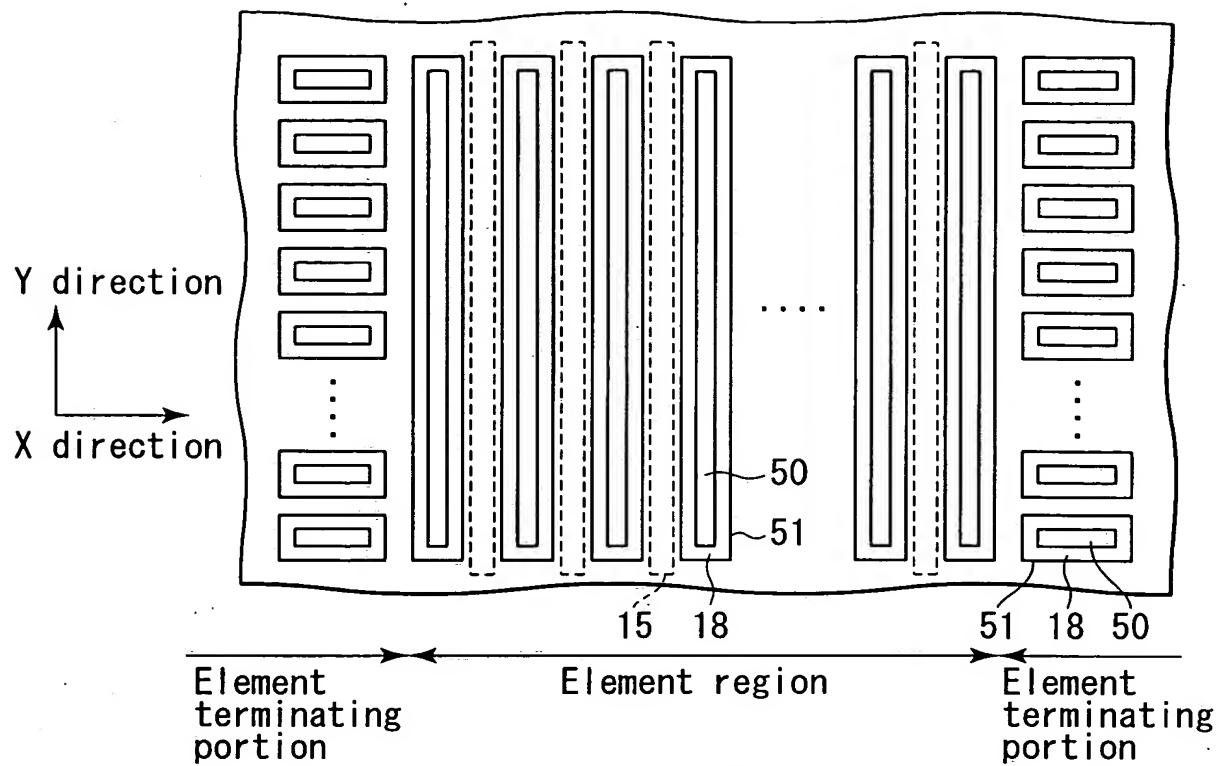


FIG. 40A

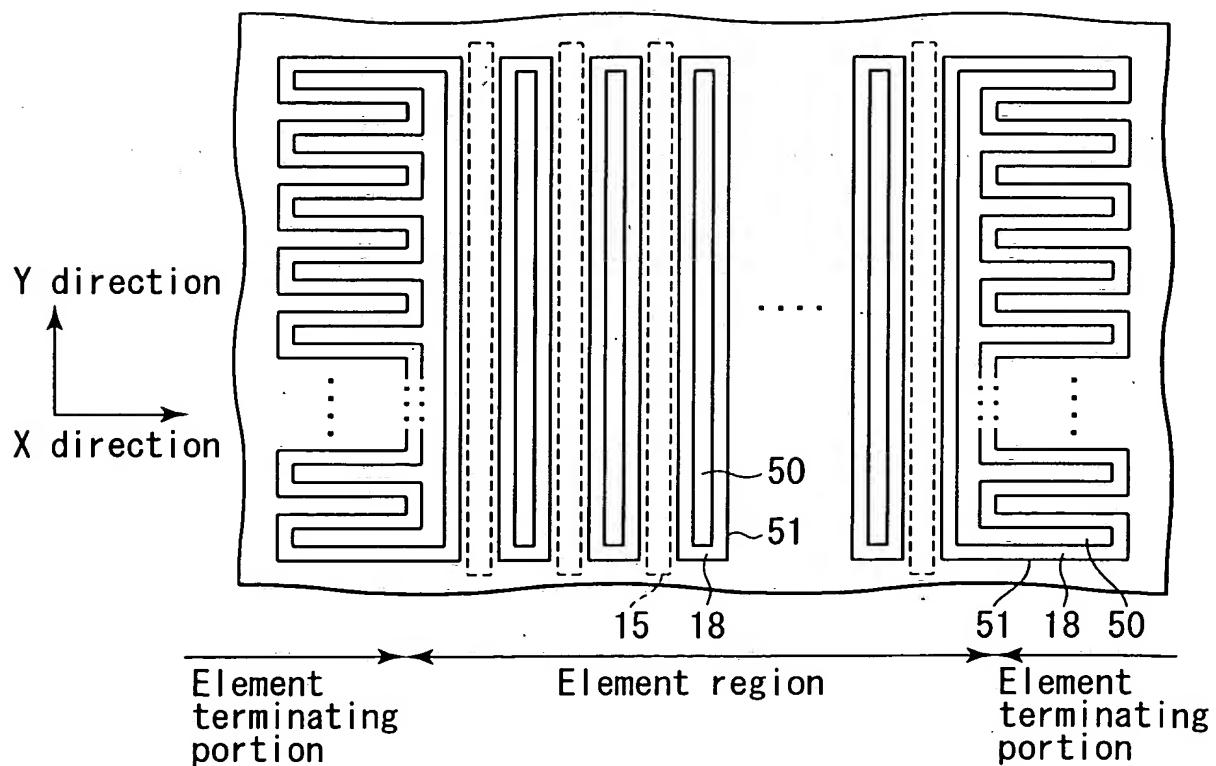
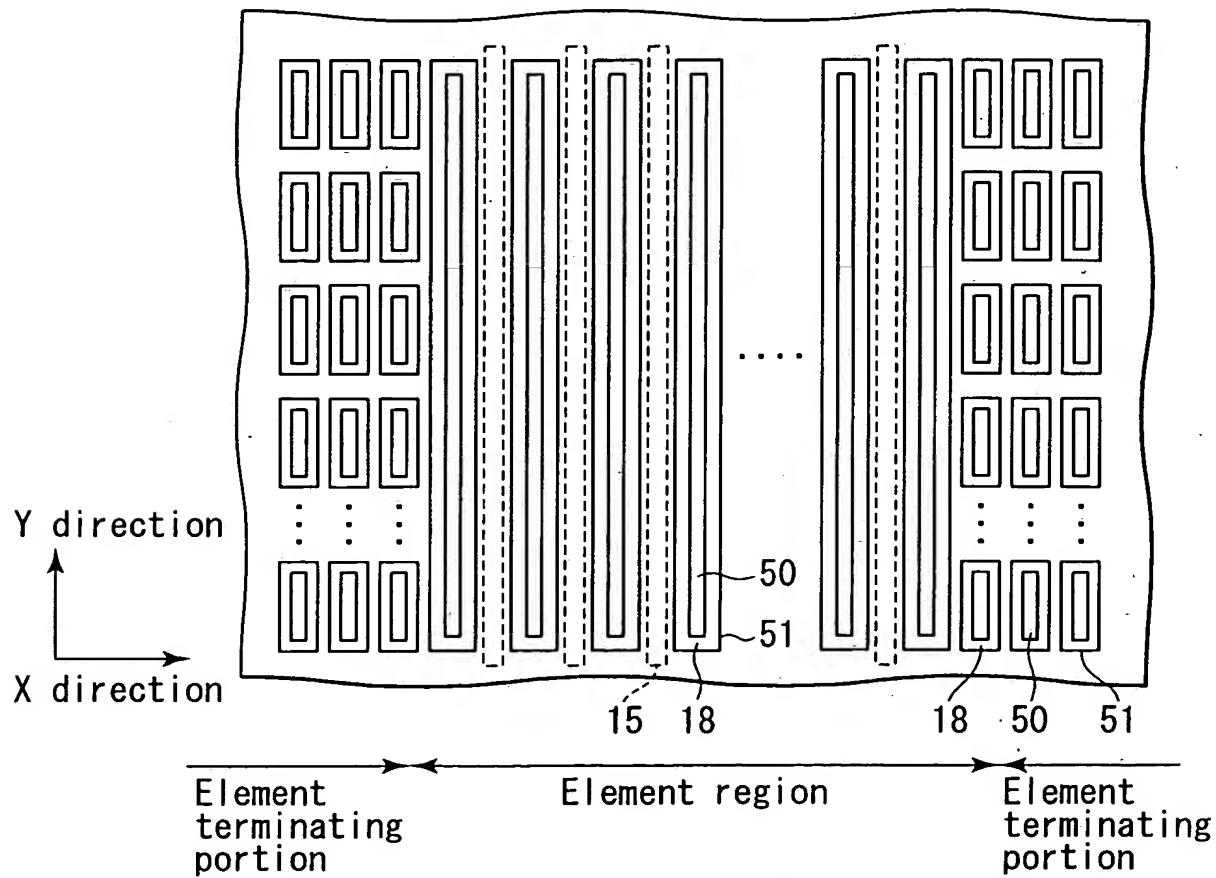
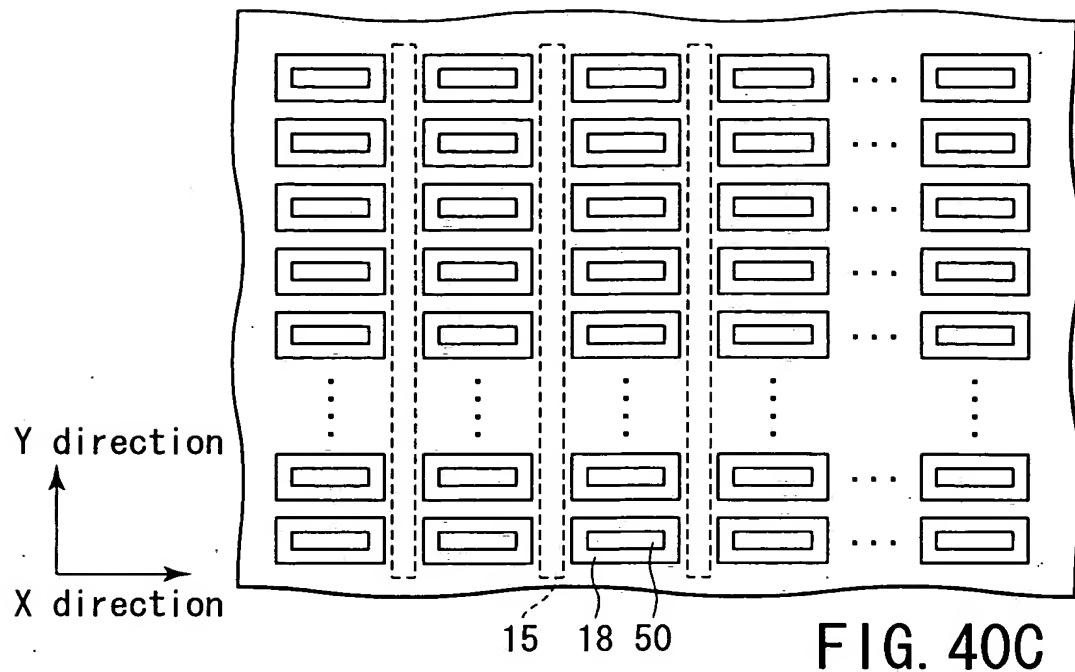


FIG. 40B



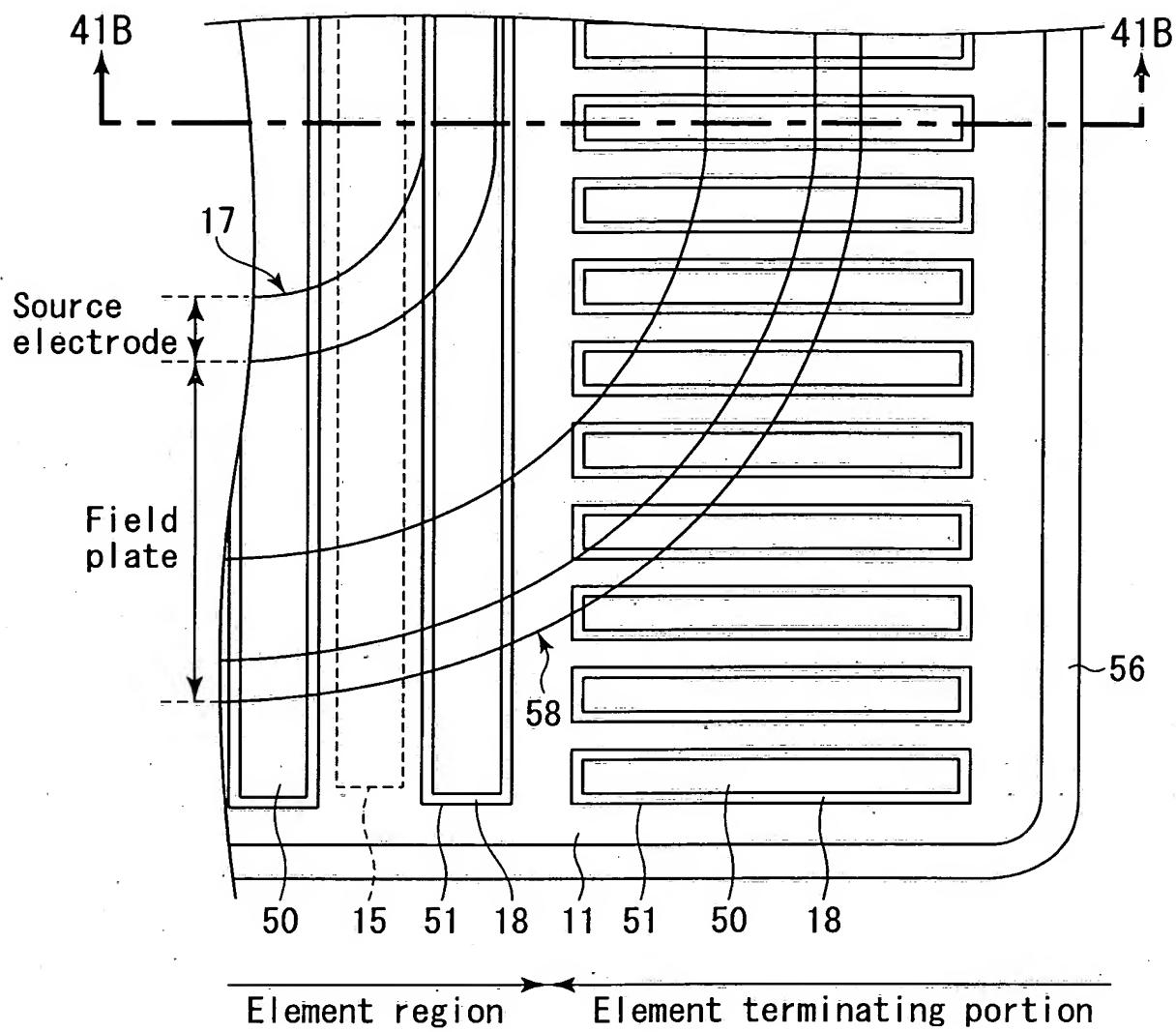


FIG. 41A

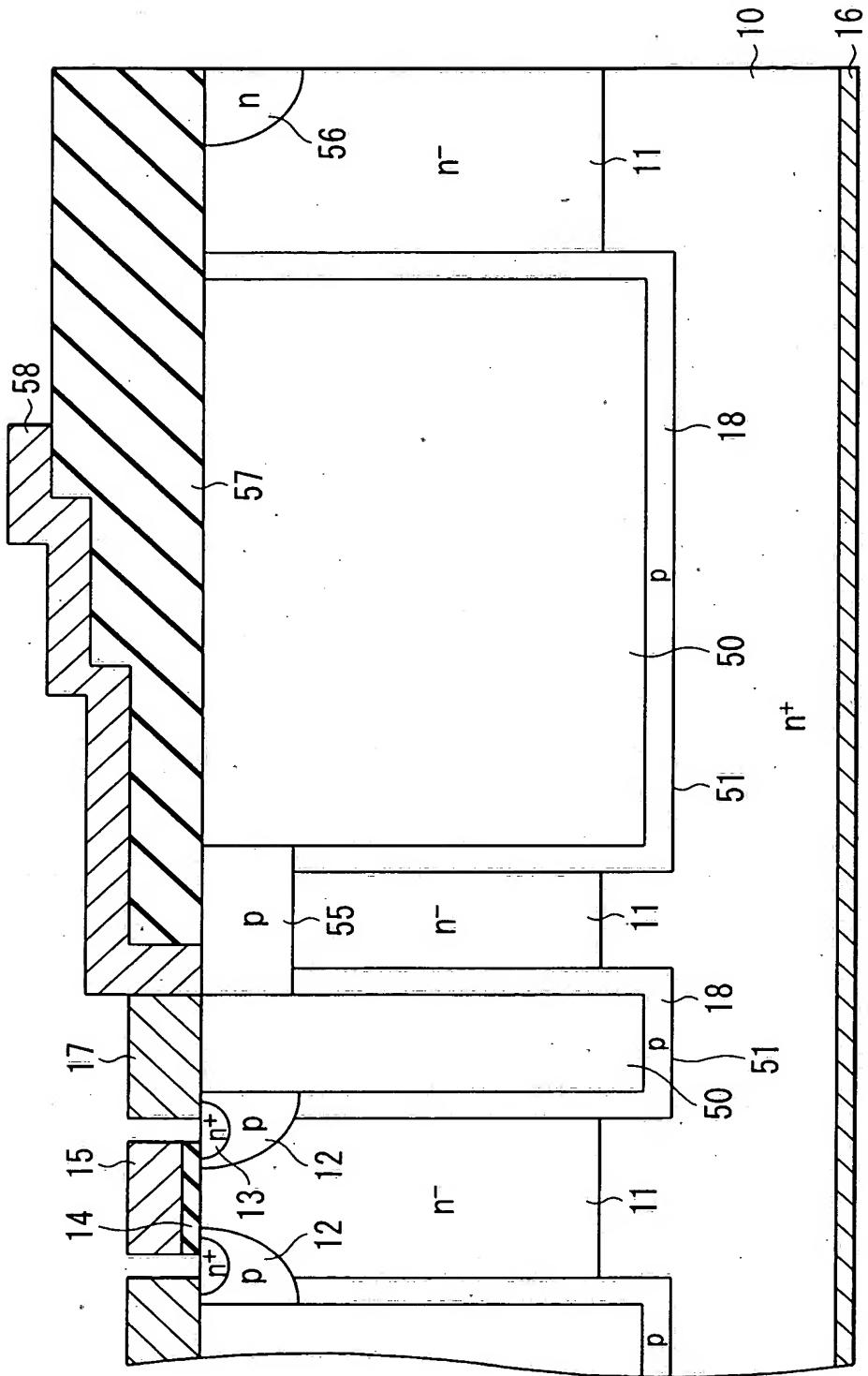


FIG. 41B

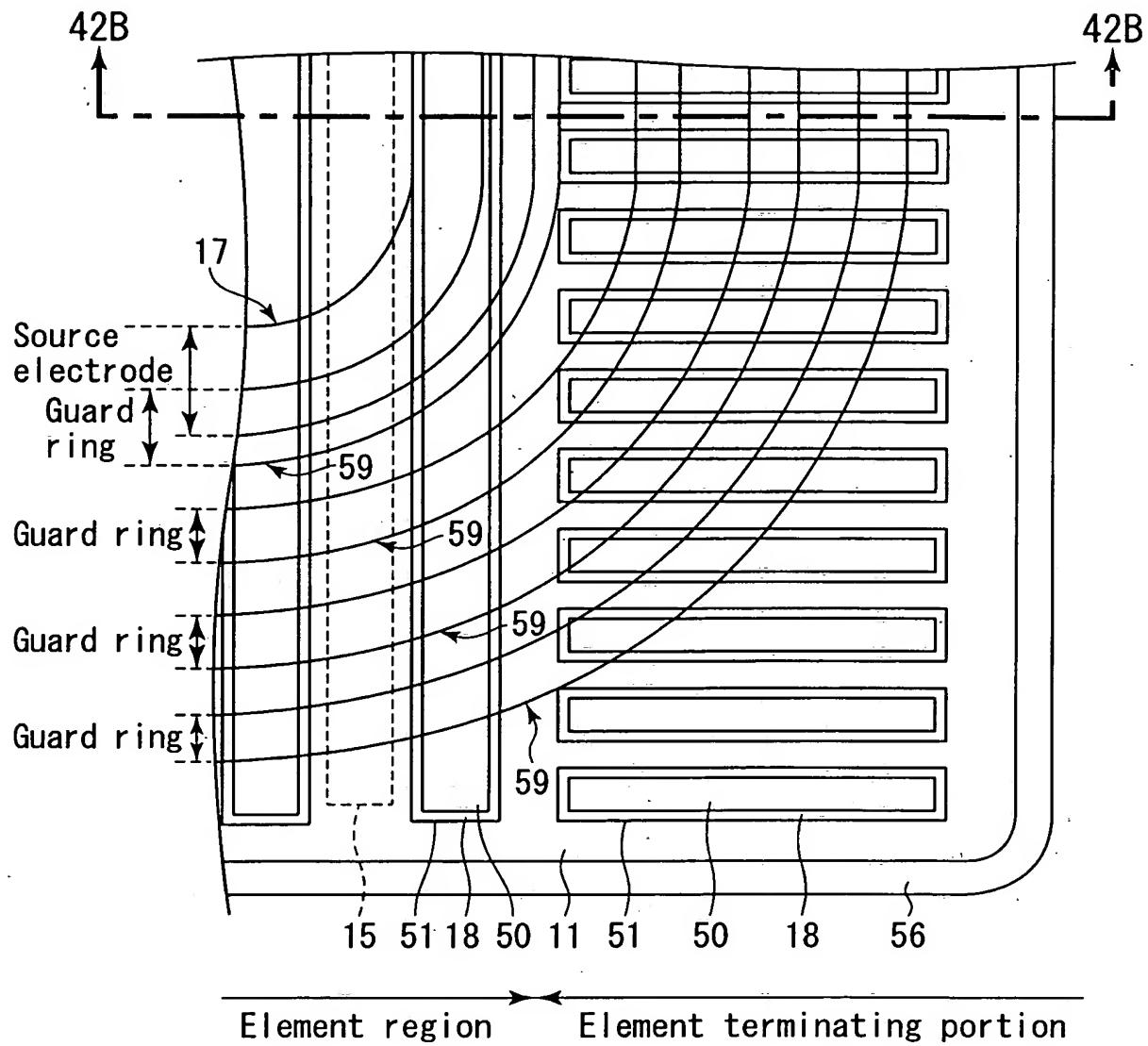


FIG. 42A

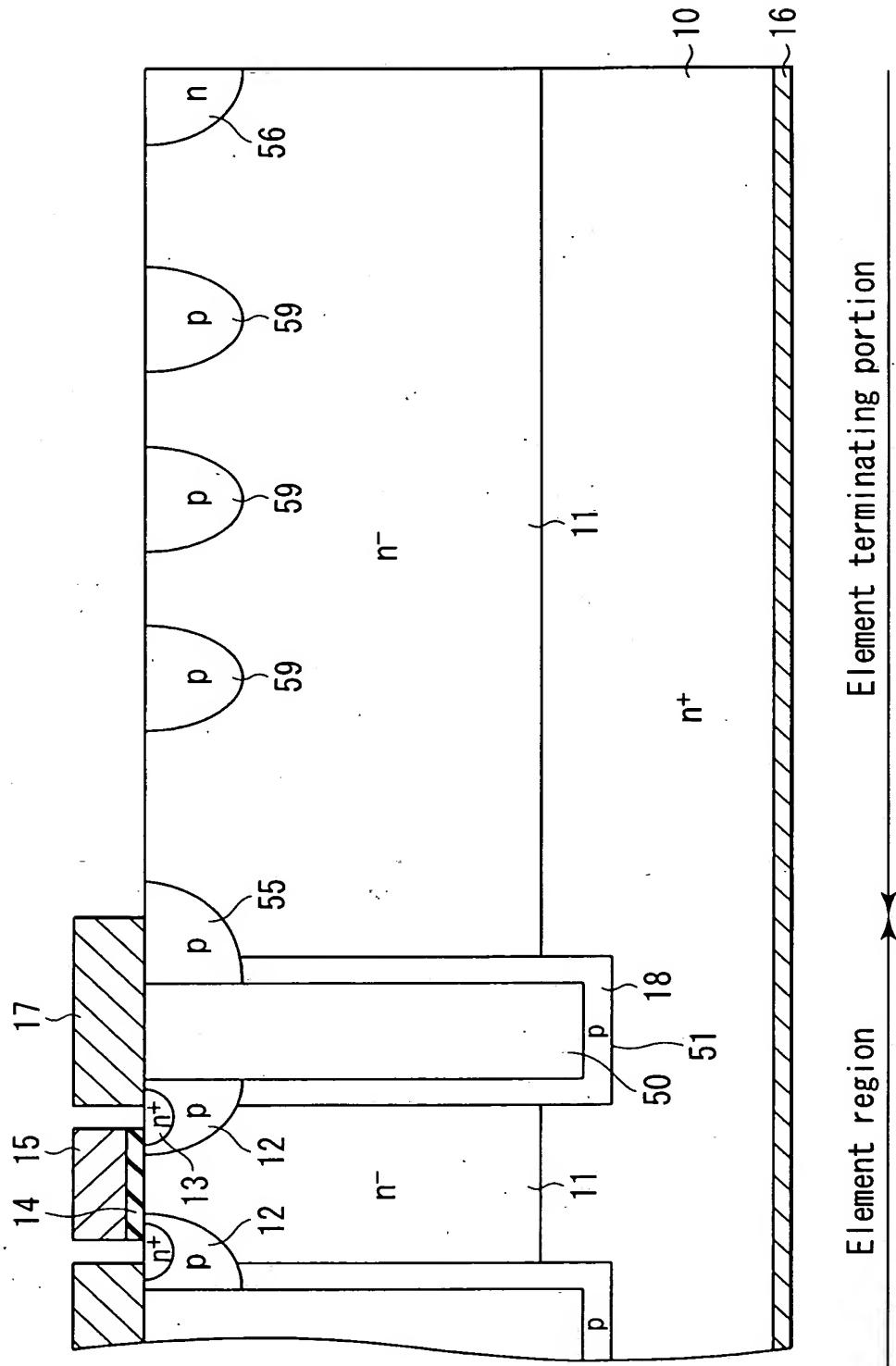


FIG. 42B

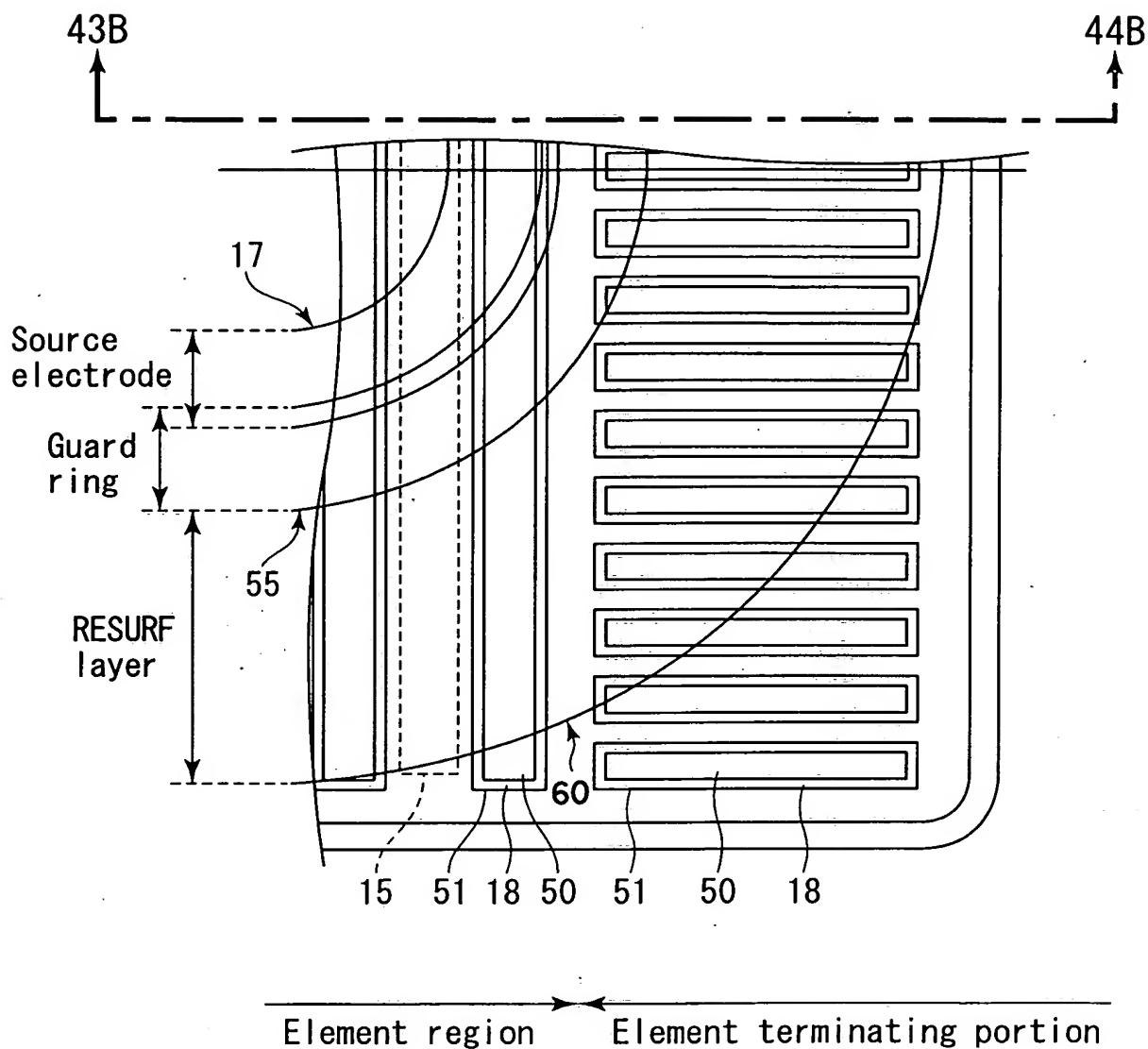


FIG. 43A

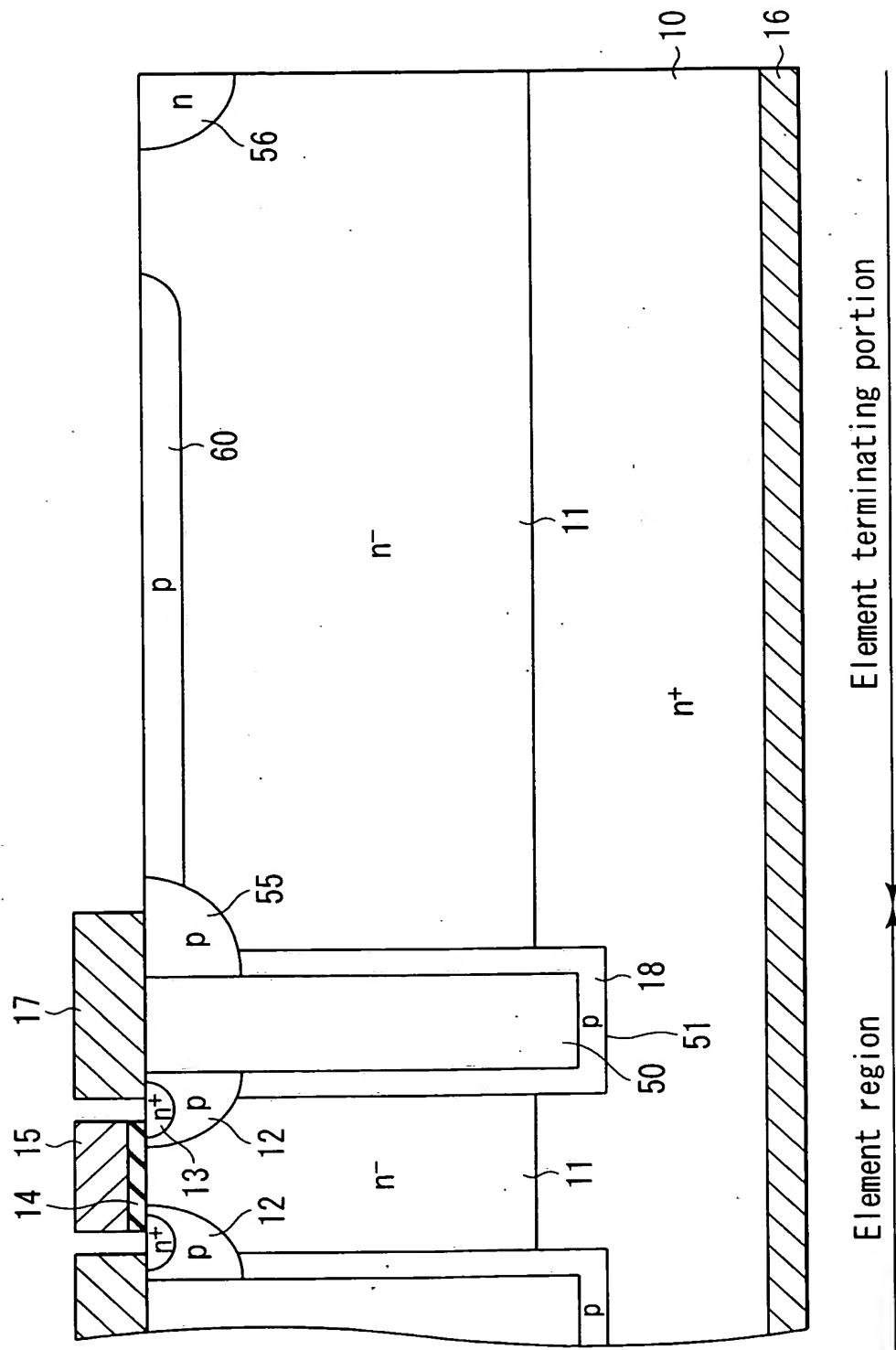


FIG. 43B

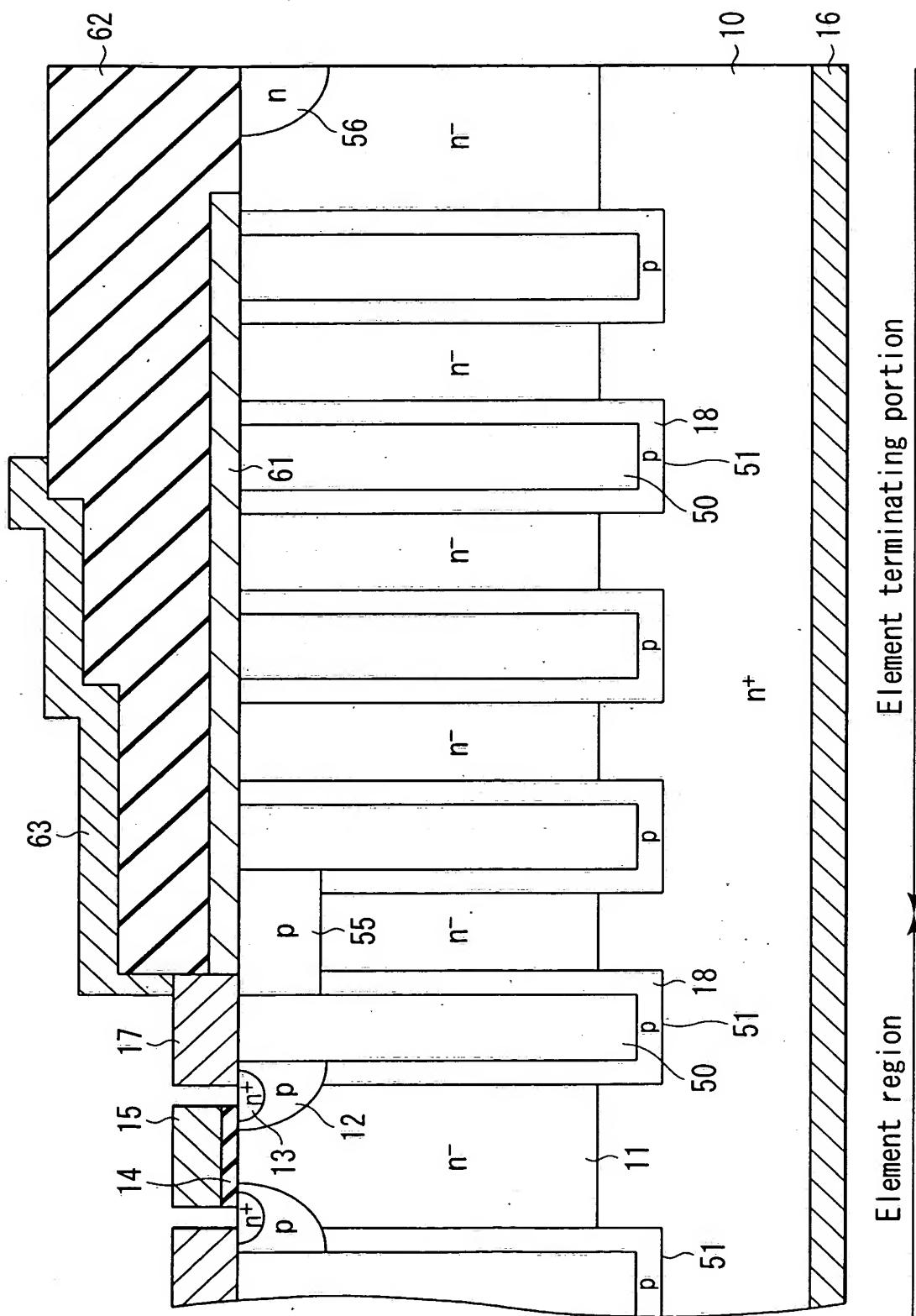


FIG. 44

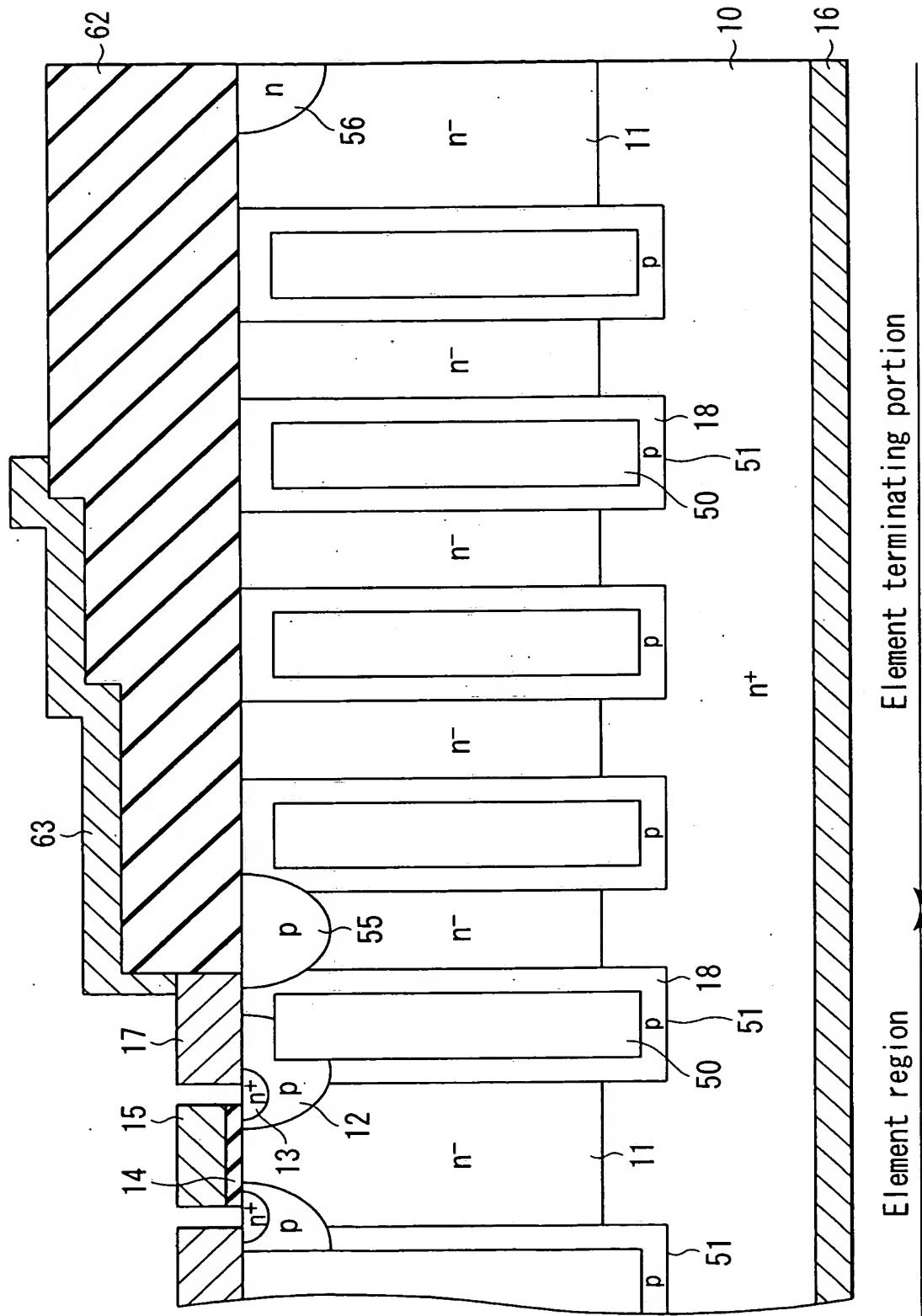


FIG. 45

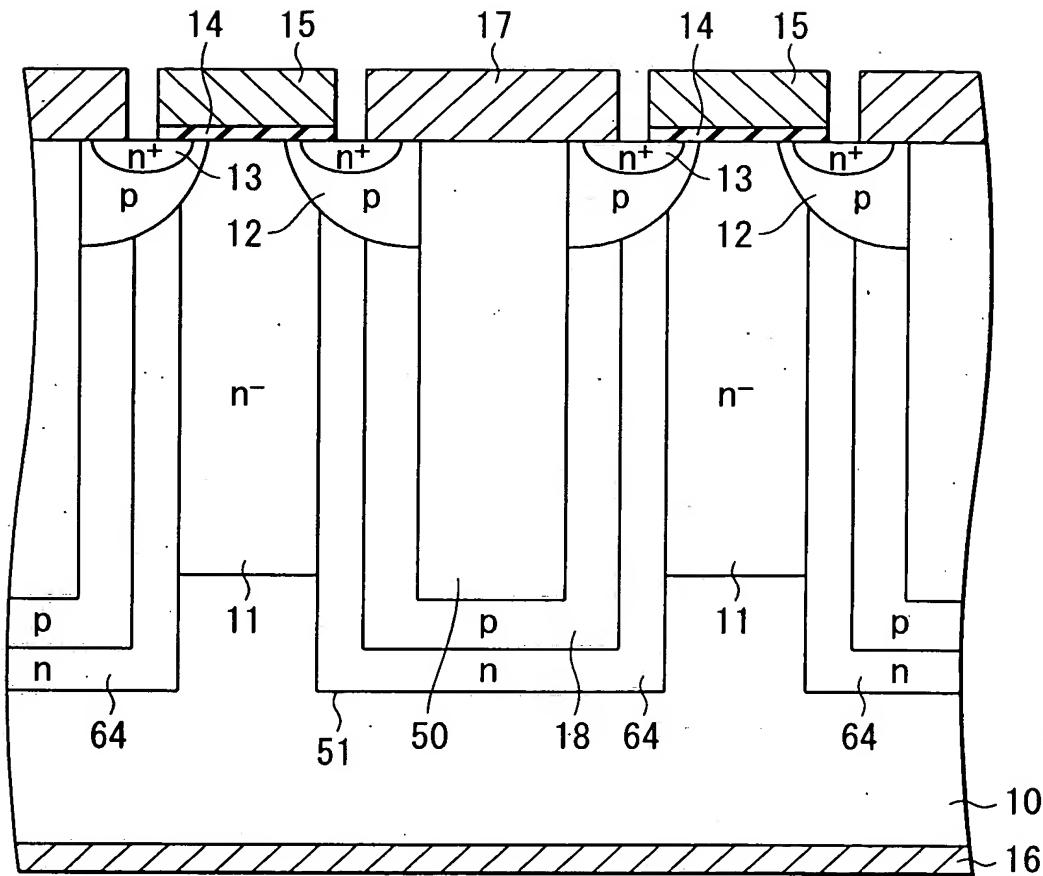


FIG. 46A

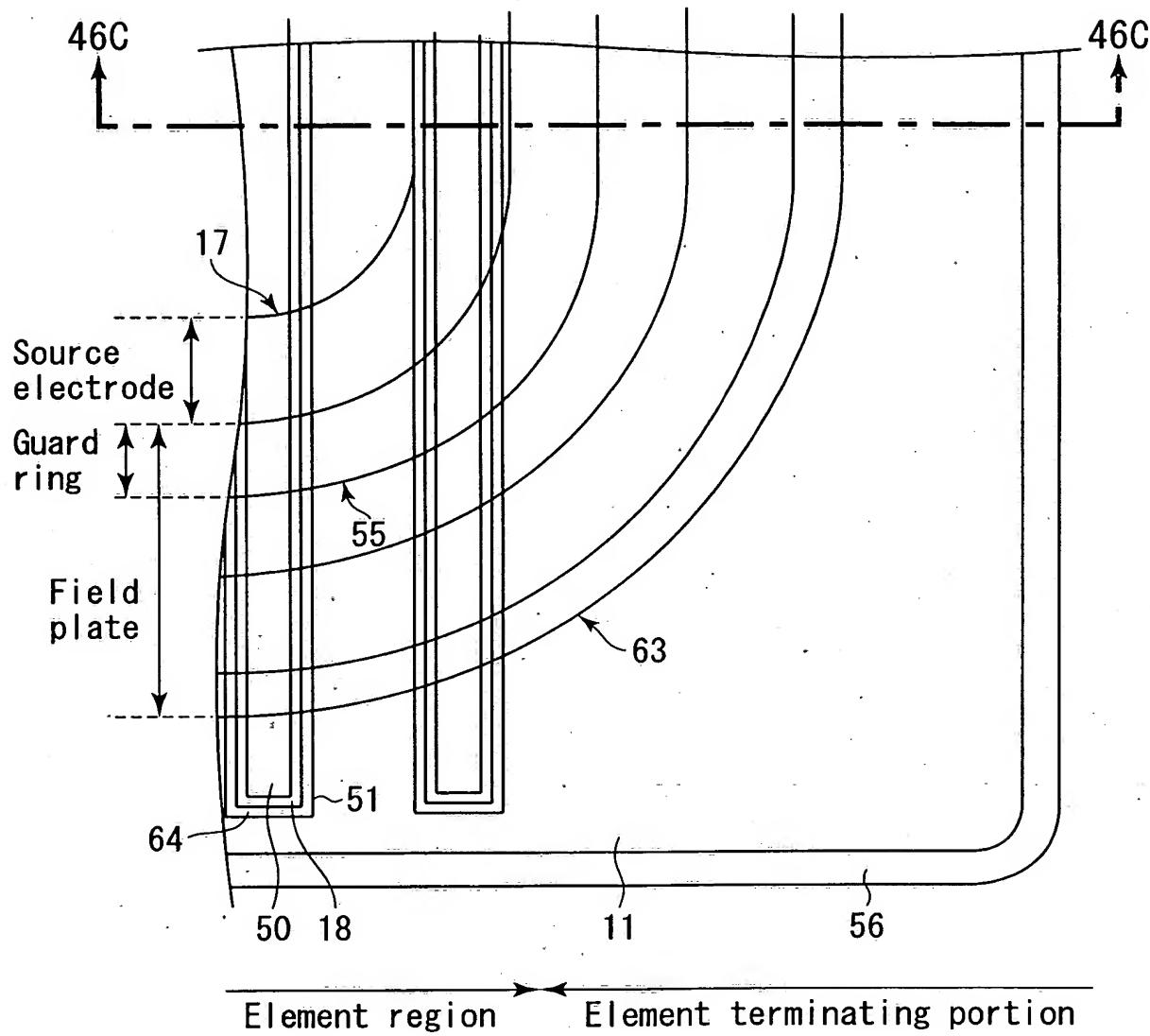


FIG. 46B

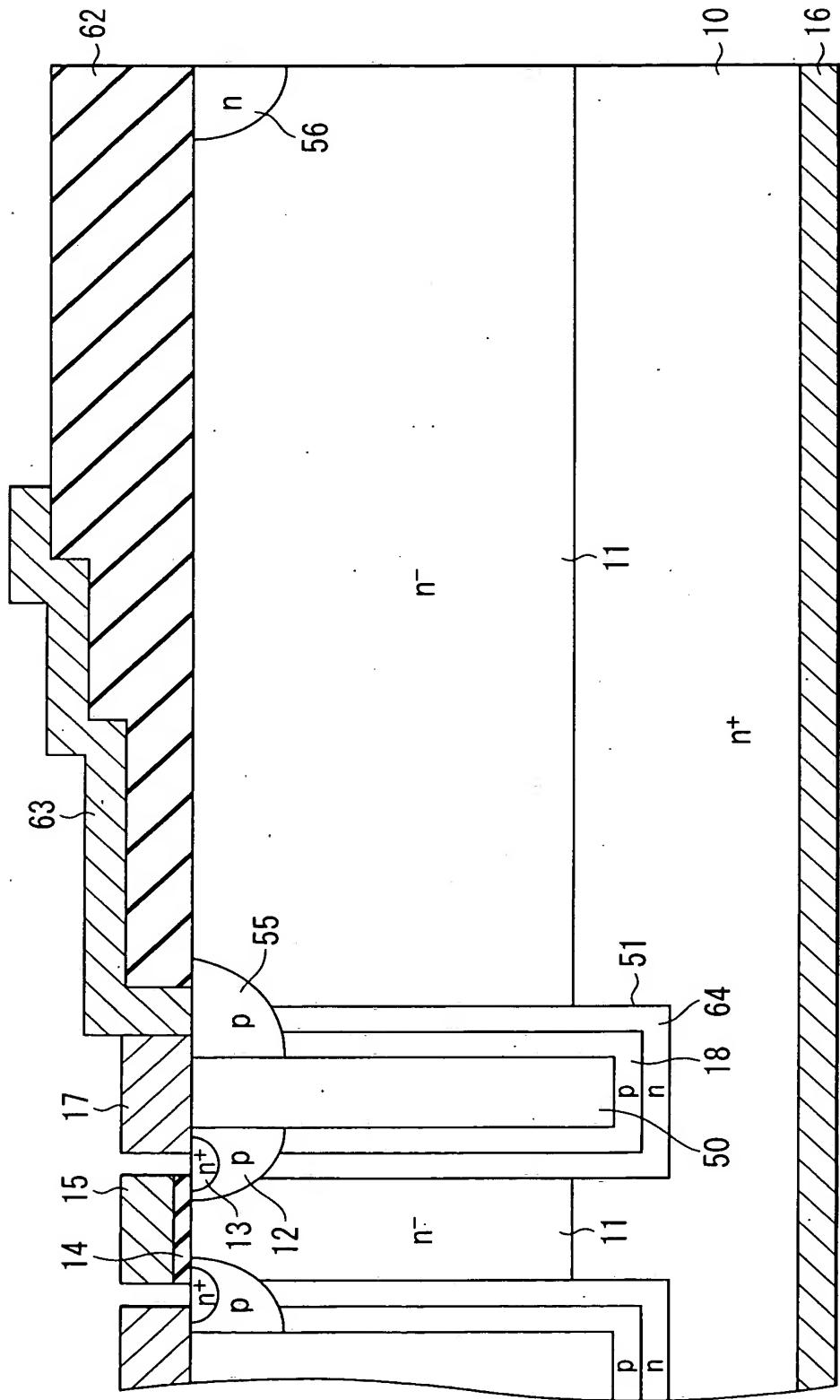


FIG. 46C

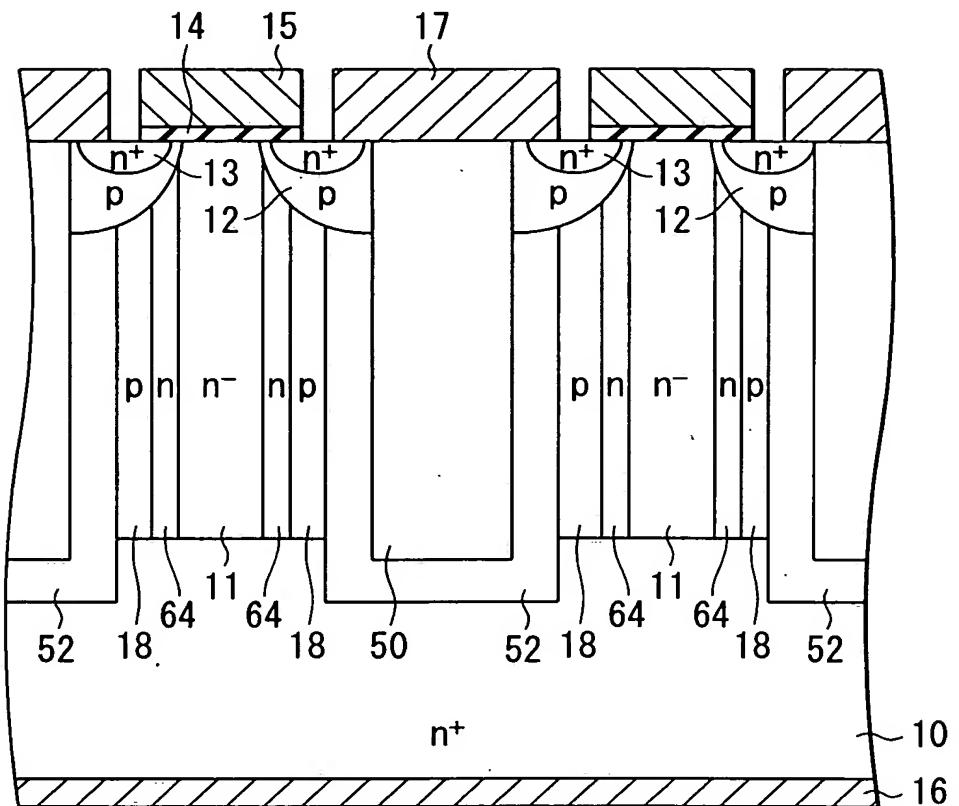


FIG. 47

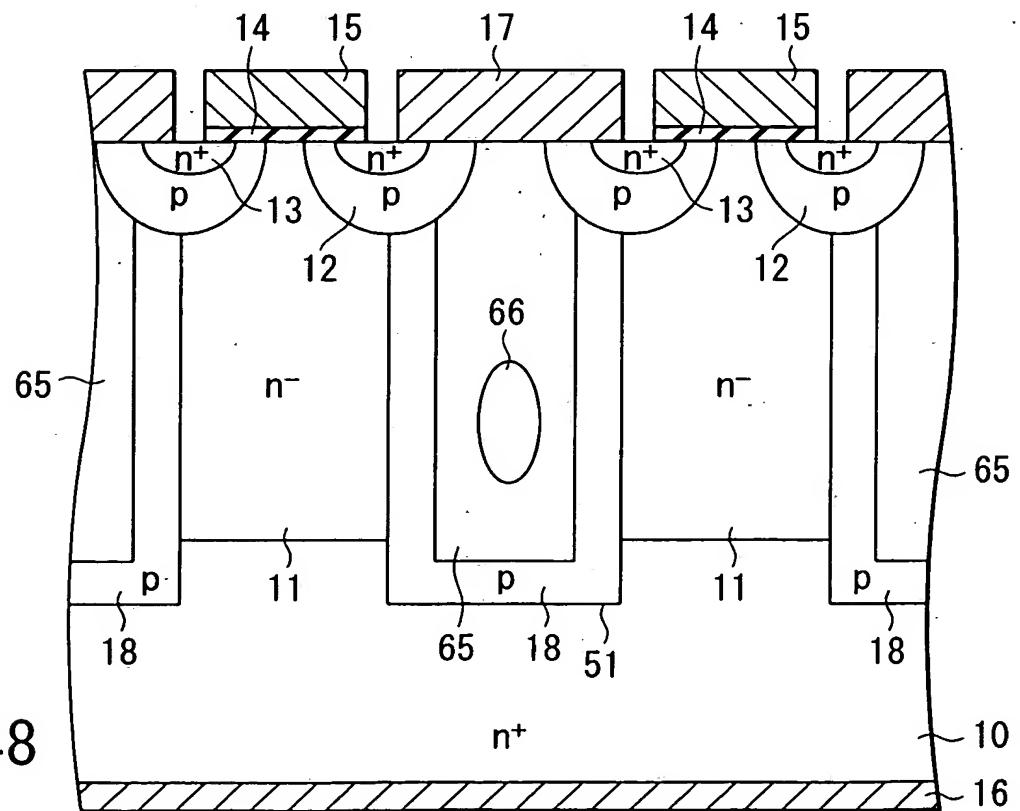


FIG. 48

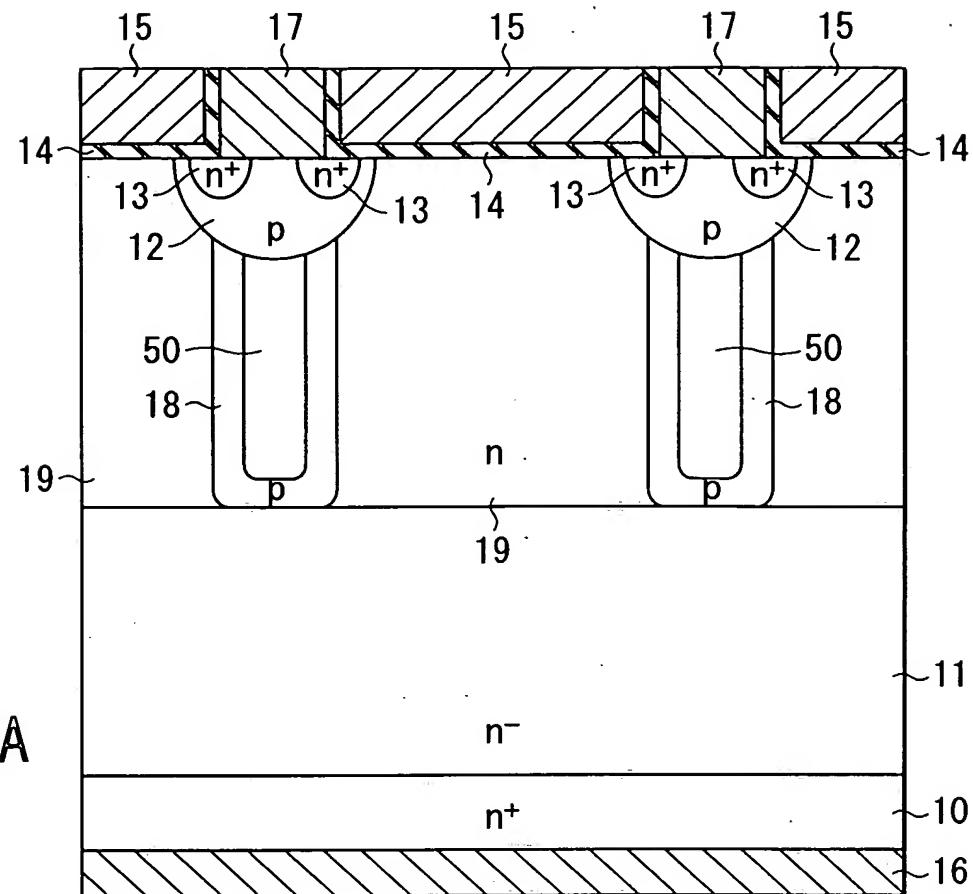


FIG. 49A

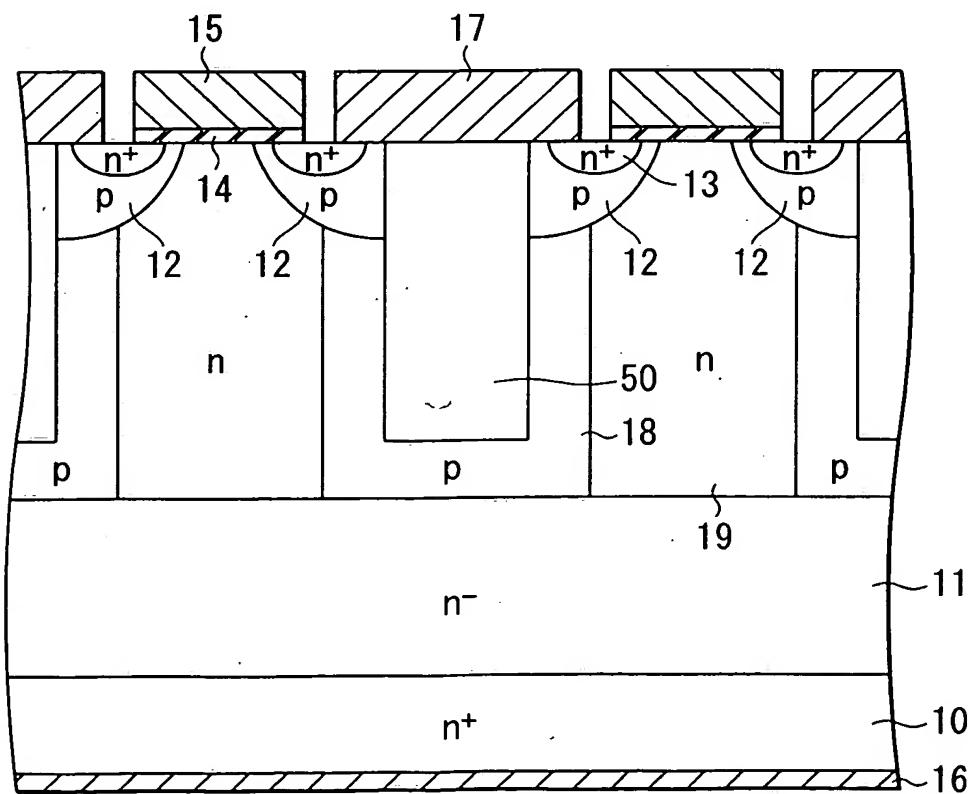


FIG. 49B

FIG. 50A

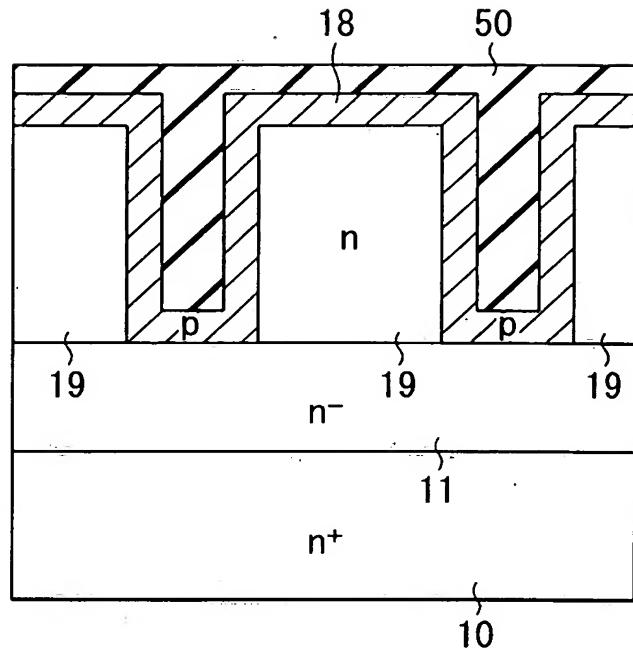
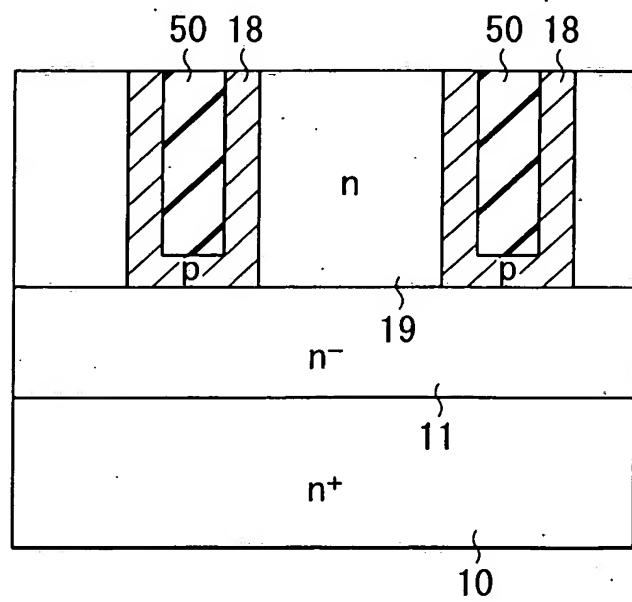
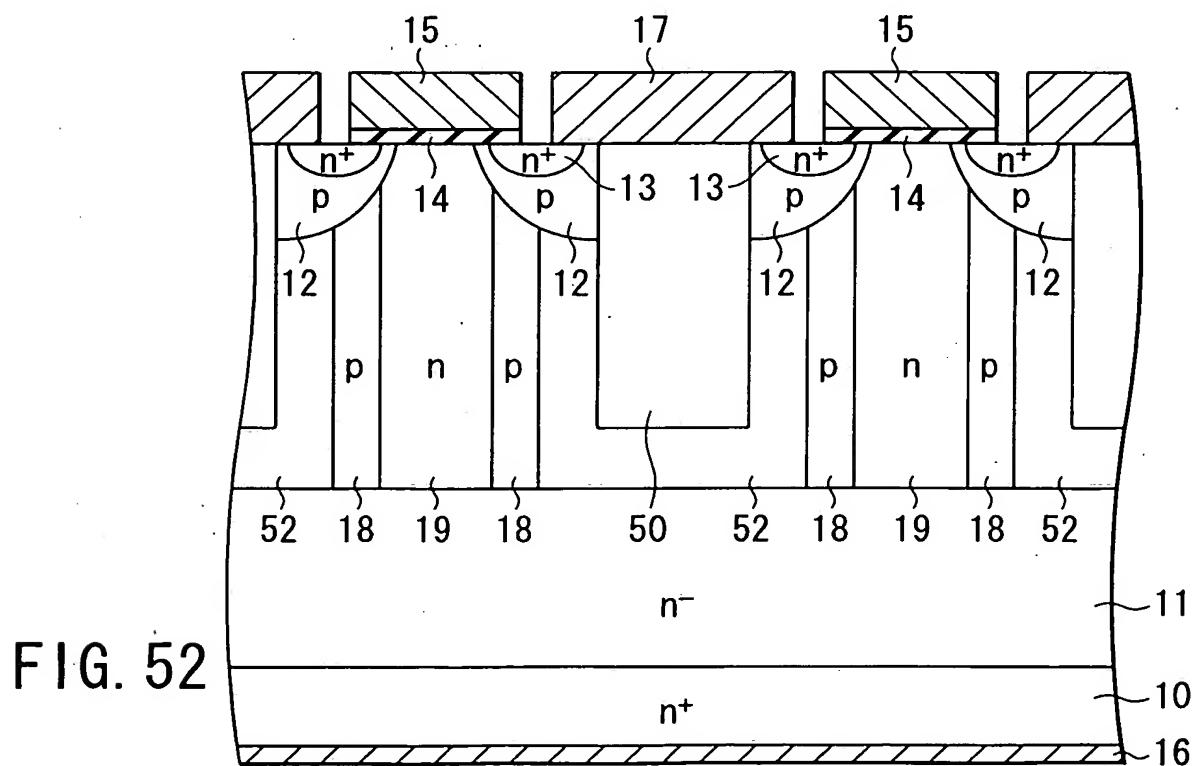
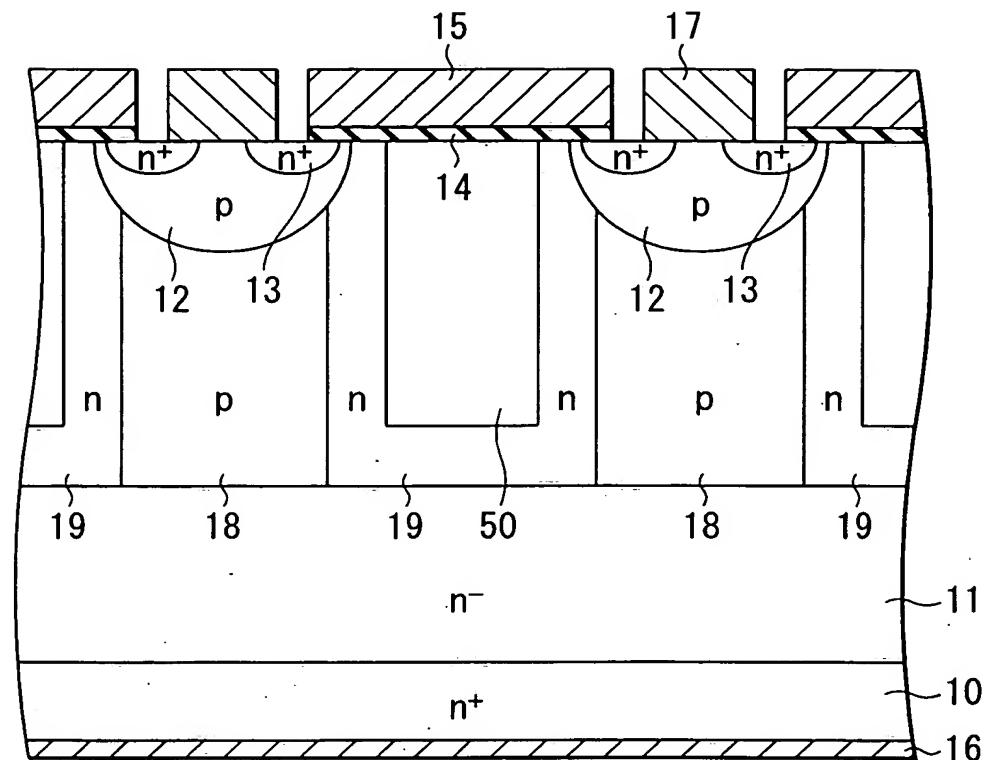


FIG. 50B





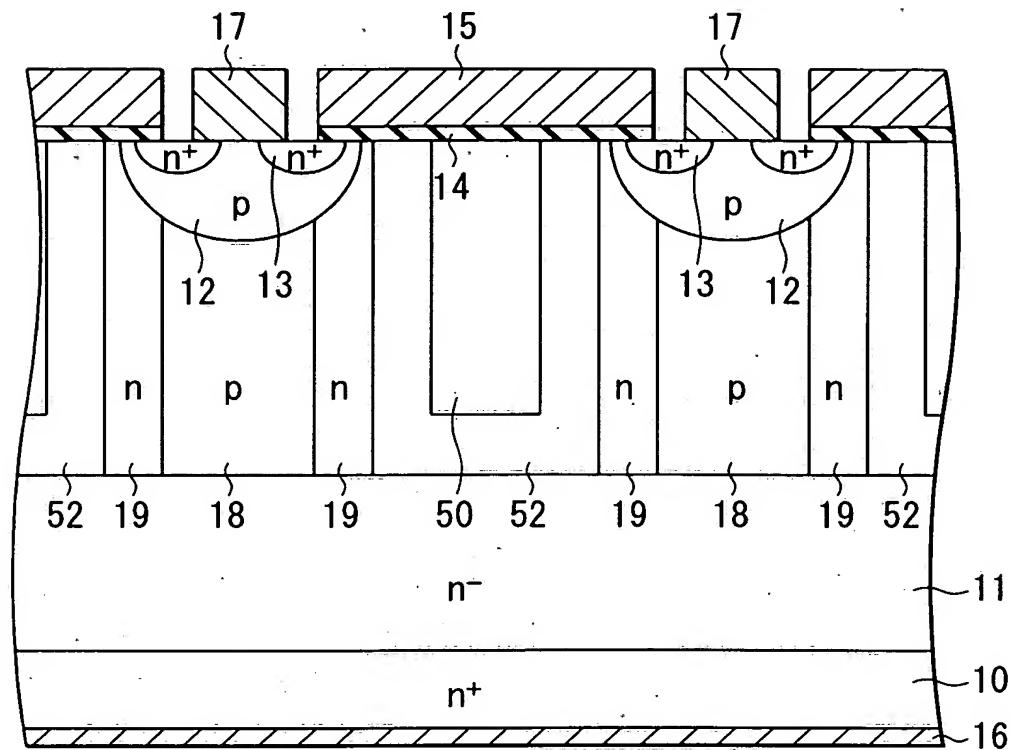


FIG. 53

